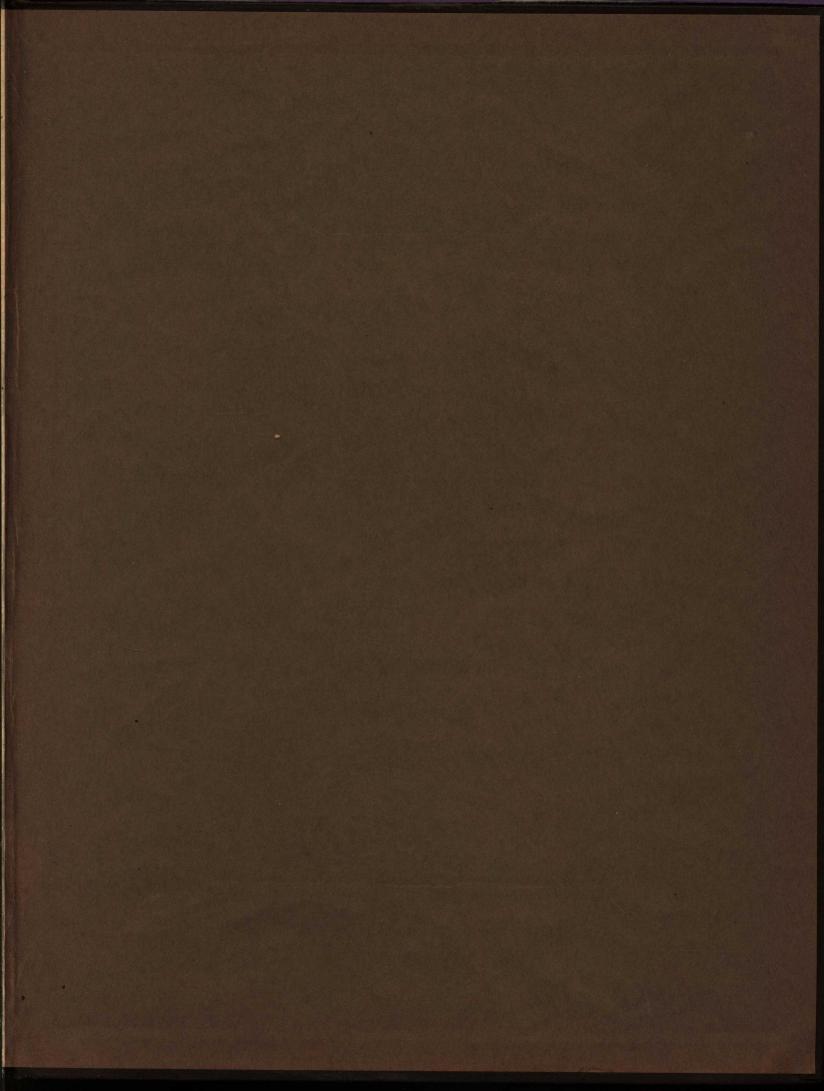
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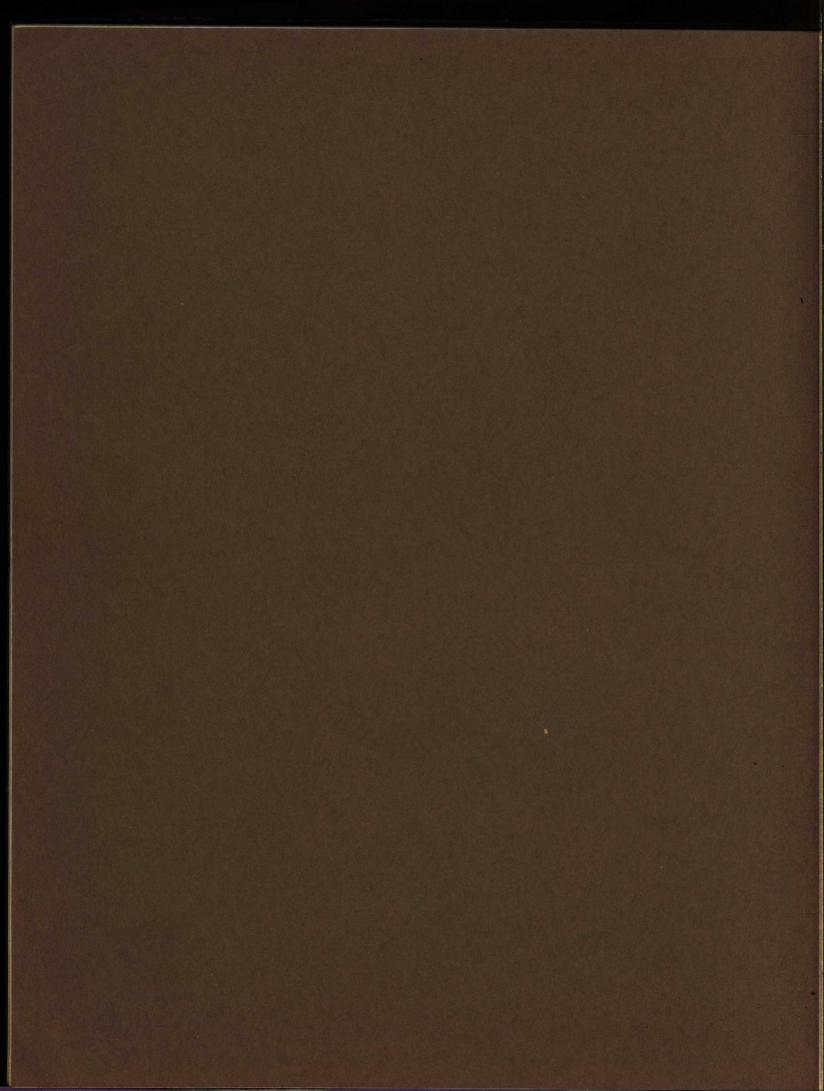
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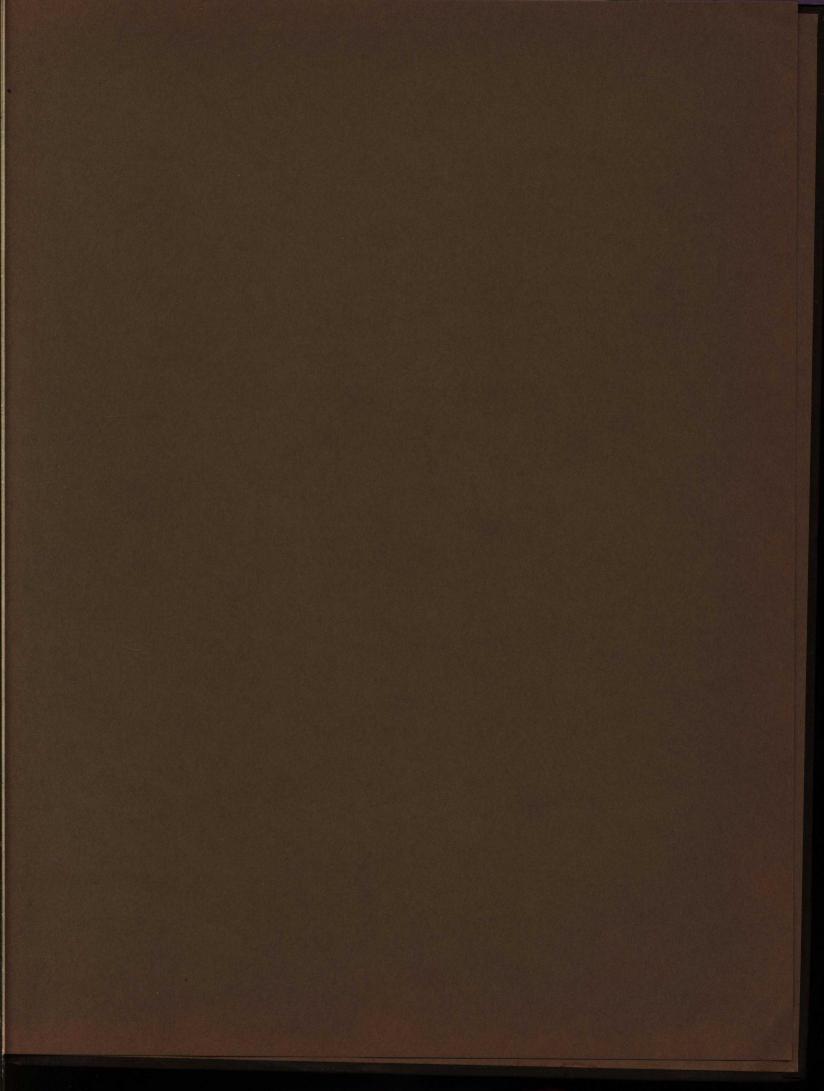




STHOUIS, MO No. 10







CATALOGUE

OF

C. HAGER & SONS

Hinge Manufacturing Company

Established in 1857 Incorporated in 1890



TRADE MARK
A Guarantee of Quality

Manufacturers of

WROUGHT BUTTS, HINGES, WASHERS AND OTHER WROUGHT HARDWARE

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C. HAGER & SONS HINGE MFG. CO.

SPECIAL HINGES, BUTTS, WASHERS AND CORNER IRONS MADE TO ORDER

"We guarantee absolute satisfaction in every instance."



Tips and Pins for HAGER Butt Hinges



OVAL HEAD TIP



FLAT BUTTON TIP



BALL TIP



STEEPI F TIP

We illustrate above the different style Tips and Pins for Butt Hinges

Oval Head Pins are regularly furnished for reversible Butt Hinges.

Flat Button Tip Pins are regularly furnished on all Butt Hinges for painting. This style pin can be obtained on other Butt Hinges when so desired, but must be specified for in ordering.

Ball Tip Pins are standard pins for most Butt Hinges.

Steeple Tip Pins are well suited for use on Butt Hinges in all Wrought or Old Iron Finishes. This style pin can also be used on other style Butt Hinges and can be obtained in either Steel or Wrought Brass. In ordering this style pin, be sure to specify Steel or Brass Pins, and state if same finish is desired on both Butt Hinges and Pins.

NUMERICAL INDEX

HOWERICAL INDEX								
	Page in		Page in		Page in		Page in	
Class Number	Catalog	Class Number	Catalog	Class Number	Catalog	Class Number	Catalog	
ı	64	BB-1110	71	1260	47	1407-CP	95_	
2	64	1115	60	1274	56	WS-1407-J	95	
3	67	1116	59	1276	42	WS-1407-CP	95	
4	63	BB-1118	13	1279	38	CP-1408	91	
5	63	BB-1123	24	BB-1279	16	1412-J	93	
					CALL AND DESCRIPTION OF THE PARTY OF THE PAR			
6-DB	63	1125	32	12791/2	37	1412-CP-JD	93	
11	64	BB-1128	27	BB-12791/2	15	1415-J	92	
12	64	BB-1133	25	1282	45	1415-CP-JD	92	
20	66	BB-1138	26	1284	49	1416-J	92	
21	66	1146	38	1285	45	1416-CP-JD	92	
					THE RESERVE OF THE PERSON OF T			
22	66	BB-1146	16	1286	49	1417-J	93	
23	66	1148	44	1289	45	1417-CP-JD	93	
24-J	68	1150	33	12891/2	45	1418-J	91	
24-CP	68	BB-1150	25	1290	44	1430	63	
	68		25	1291	44	1431	63	
25-J		BB-1150½						
25-CP	68	BB-1162	25	12911/2	44	1432	63	
26	102	BB-1163	24	1295	45	1433	63	
29	102	BB-11671/2	27	12951/2	45	1434	63	
30-J	103	BB-1168	13	1300	73	1485	70	
		1169	57		73	1486	70	
30-CP	103/			13001/4				
31-J	103	1170	57	1302	73	1487	70	
31-CP	103	1171	57	13021/4	73	1500	36	
BB-110	31	BB-1172	25	1303	74	BB-1500	14	
BB-134	31	BB-1173	25	13031/4	74	BB-1502	13	
BB-170	31	BB-11731/2	25	1304	74	15081/2	44	
					74			
186	41	1174	36	13041/4		1509	35	
892	58	BB-1174	14	1306	75	BB-1509	19	
911	60	1175	71	13061/4	75	1518	65	
912	60	BB-1175	71	1308	84	1531	60	
913	61	1176	44	13081/4	84	15481/2	44	
914	61	1178	44	1312	54	1550	33	
919	60	1193	36	1313	53	1551	34	
1000	60	BB-1193	14	1315	50	1595	45	
1001	59	1195	56	1317	49	1731	38	
1002	59	1196	56	1319	48	1733	38	
		BB-1197	19	1321	41	1734-J		
1003	59						79	
1014	62	BB-1199	13	1333	47	1796	100	
1015	62	1204	96	1334	48	1796-J	100	
1016	62	1204-J	96	1344	86	1796-CP	100	
1017	62	1204-CP	96	WS-1345	39	1800	50	
	65	1207	96	1346-A	86	1802	50	
1018					86			
1020	61	1207-J	96	1346-B		1804	48	
1021	61	1207-CP	96	WS-1350	76	WS-1804	48	
1022	61	1208	96	WS-1350 ¹ / ₄	76	WS-1804-CP	48	
1023	61	1208-J	96	WS-1351	76	WS-1804-CP-BP	48	
1024	60	1208-CP	96	WS-13511/4	76	1806	41	
	59	1216	41	WS-1363 ¹ / ₂ -G	75	1806-J	41	
1032				WS-1303-/2-G				
1033	57	1221	34	WS-13631/2-BP	75	1808	48	
10331/4	57	BB-1235	16	1400-J	95	WS-1808	48	
10333/4	57	1239	36	1400-CP	95	WS-1808-CP	48	
1034	62	BB-1239	14	1400-DB-OC	95	WS-1808-CP-BP	48	
1035	62	1241	38	1401-J	95	1810	52	
	62	BB-1241	16	1401-CP	95	1813	53	
1036								
1037	62	1241 1/2	37	1401-DB-OC	95	1814	53	
1050	58	BB-1241½	15	1403-J	94	18141/2	53	
1051	58	1242	38	WS-1403-J	94	1816	53	
1100	32	1246	43	WS-1403-B	94	18161/2	53	
1105	71	BB-1246	43	WS-1403-G	94	1819	52	
	71	1248	42	1405-J	94	1820	54	
BB-1105								
BB-1108	27	1249-A	86	1405-CP	94	1821	54	
1109	71	1249-B	86	WS-1405-J	94	1821-B	54	
BB-1109	71	BB-1250	13	WS-1405-CP	94	1821-C	54	
1110	71	BB-1251	13	1407-J	95	1823	39	
			Employee To the Control of the Contr					

NUMERICAL INDEX

	Page in		Page in	AND THE RESIDENCE AND THE	Page in		
Class Number	Catalog	Class Number	Catalog	Class Number	Catalog	Class Number	Page in Catalog
WS-1823	39	1930-CP	97	2001	105	26861/2	87
WS-1823-CP	39	1931-J	95	2005	104	2687	87
1828	47	1931-CP	95	2006	104	26871/2	87
1828-CP	47	1931-A-DB-0				2750	65
1830	47			2010	88	2752	65
		1941	85	2010-G	88		
1831-CP	46	1941-J	85	2020	88	2754	69
1834	49	1941-CP	85	2020-G	88	2756	69
1838	49	1941-G	85		THE RESERVE OF THE PARTY OF THE	2757	69
1840	49	1947		2021	88	2758	69
			101	2021-G	88	2759	69
1842	52	WS-1950	76	2023	88	2760	69
1845-CP	46	WS-1950-J	76	2023-G	88	2761	69
1850	51	WS-1951	76	2024	88	2819	52
BB-1851	17	WS-1951-J	76			2830	82
	73			2024-G	88	2830-J	82
1900		1957-J	97	BB-2098	26	2830-B	82
1900-J	. 73	1957-CP	97	BB-2109	28	2831	83
1900-CP	73	1959-J	97	BB-2110	29	2031	00
1902	73	1959-CP	97			2831-J	83
1902-J	73			BB-2112	25	2831-B	83
		1962	96	BB-2113	24	2833	83
1902-CP	73	1962-J	96	BB-2114	26	2833-J	83
1904	74	1962-CP	96	BB-2116	25	2833-B	83
1904-J	74	WS-19631/2	75	BB-2118	18	2834	83
1904-CP	74	WS-1963 ¹ / ₂ -J					
1906			75	BB-2123	20	2834-J	83
	74	1965-J	79	BB-2125	25	2834-B	83
1906-J	74	1966-J	79	BB-2126	21	2835	83
1906-CP	74	1969	55	BB-2129	28	2835-J	83
1908	75	1970	80	BB-2131	29	2835-B	83
1908-J	75	1971					
1908-CP	75		55	BB-2132	21	2836	83
		1972-J	81	BB-2138	22	2836-J	83
1912	84	1973	80	2145	35	2836-B	83
1912-J	84	1973-G	80	BB-2145	19	2978	90
1912-CP	84	1974	80	BB-2162	21	2978-CP	90
1913	88	1975					
	WAS REPORTED AND PARTY OF THE P		80	BB-2163	20	2979	90
1913-G	88	1976	90	BB-2168	18	2979-CP	90
1914	84	1976-CP	90	BB-2169	28	2980	90
1914-J	84	1978	105	BB-2170	29	2980-CP	90
1914-CP	84	1979	105	BB-2171	29		90
1915	85	1981	90			2982	
1915-J	85			BB-2172	21	2982-CP	90
		1981-CP	90	BB-2181	18	3000	88
1915-CP	85	1982	105	2197	35	3000-G	88
1915-G	85	1985-J	97	BB-2199	18	3005	89
1915-B	85	1985-CP	97	2235	35	3005-G	89
1916	77	1986-J	97	BB-2235			
1916-CP	77				19	3007	104
		1986-CP	97	2239	35	3010	89
1917	77	1987	101	BB-2239	19	3010-CP	89
1917-CP	77	1988	101	2243	40	3012	89
1918	77	1989	101	BB-2243	40	3012-G	89
1918-CP	77	1990-J	81				
1919	84			BB-2250	18	3014	89
		BB-1991-J	78	BB-2251	18	3014-G	89
1919-J	84	BB-1991-CP-K	78	2293	35	3017	104
1919-CP	84	BB-1992-J	78	BB-2293	19	3018-J	100
1920	86	BB-1992-CP-K	78	2300	55	3018-CP	100
1920-J	86	1994	98				
1920-CP	86			2550	82	BB-3108	23
		1994-CP	98	2550-J	82	BB-3109	30
1920-G	86	1995	99	2550-B	82	BB-3113	20
1922	86	1995-CP	99	2575-J	82	BB-3114	55
1922-J	86	19951/2	99	2575-B	82	BB-3116	
1922-CP	86	1995½-CP	THE REPORT OF THE PARTY OF THE				21
			99	2576-J	82	BB-3128	23
1922-G	86	1996-B	99	2576-B	82	BB-3129	30
1924	77	1997	98	2580-J	82	BB-31671/2	23
1924-CP	77	1997-CP	98	2580-B	82	BB-3169	30
1925	80	1998	98	2685	87	BB-3198	
1925-G	80	1998-CP					22
1930-J			98	26851/2	87	BB-4112	21
1930-3	97	2000	103	2686	87	7311	38
A CONTRACTOR OF THE STATE OF TH		A CONTRACTOR OF THE PARTY OF TH	and a charge				90

ALPHABETICAL INDEX

A	Page
Anchor Plates	104
Anchors, Star Nut	104
Anchors, T	104
Awning Hooks	90
В	
Back Flaps	53
BALL-BEARING	
Butt Hinges	19 to 91
Hinges, Full Surface	
Hinges, Garage Door	
Back Band Hooks	
Bed Hooks	
Bar Staples	
Basket Hasps	
	00
BLIND ,	
Fasteners	
Hinges	
Bolt Hook and Strap Hinges	80
BOLTS,	
Barrel	94
Cane	91
Cellar Window	94
Chain	95
Foot	95
Braces, Corner	98-99
Brackets, Shelf	
Burrs, Riveting	105
Buttons, Door	95
BUTT HINGES,	
No. 1241	38
Accordian or Folding Doors	40
Back Flap	
Blind	46
Ball Bearing	13 to 31
Broad	48
Cabinet45, 4	9, 58, 59, 61
Fast Pin44, 48, 49, 50, 51, 5	2, 53, 54, 55
Half Mortise20 to 27, 3	2, 33, 56, 57
Half Surface20 to 27, 3	2, 33, 56, 57
Hospital Type18 to 2	
Light Narrow	
Light Reversible	
Loose Joint41	
Loose Pin46 to 49, 53,	56 to 60, 65
Narrow	
Parliament	47
Reversible	
Shutter, Blank	
Surface34, 51,	
Transom	
Wrought Iron Finished	42, 43
C	
CABINET	
Hinges45, 49,	52, 57 to 61
Sets	63
Cane Bolts	
Cast Link Hinges	77

	Page
Cellar Window Bolts	
Cellar Window Sets	
Chain Bolts	
Chest Hinges	
Complete Hasps and Staples	
Continuous Hinges	55
Corner Braces9	
Corner Irons9	8, 99
Corners, Screen	
Cupboard Turns	63
D	
DOOR	
Buttons	
Check	63
Handles	96
Pulls	96
Sets, Screen	64, 65
Sets, Garage	2, 93
E	
End Gate Hinges	55
Eyes, Padlock	95
F	
Fasteners, Blind, "S"	87
Fasteners, Storm Sash	68
Finishes (Symbols)	
Floor Hinges	63
Foot Bolts	
Foot Scrapers	100
Friction Catch	
C	
GARAGE DOOR	
GARAGE DOOR	01/05
GARAGE DOOR Bolts	
GARAGE DOOR Bolts	78
GARAGE DOOR Bolts	78 79
GARAGE DOOR Bolts	78 79 91
GARAGE DOOR Bolts	78 91 97
GARAGE DOOR Bolts	78 91 97
GARAGE DOOR Bolts	78 91 97 92, 93
GARAGE DOOR Bolts	78 91 97 92, 93
GARAGE DOOR Bolts	78 91 97 92, 93 103
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66
GARAGE DOOR Bolts	78 91 97 92, 93 103 96 66
GARAGE DOOR Bolts	78 91 97 92, 93 96 66 66
GARAGE DOOR Bolts	78 91 97 92, 93 103 96 66 66
GARAGE DOOR Bolts	78 91 97 92, 93 96 66 66 66
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 66
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85 85, 86
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 66 85 85 85, 86 85, 86
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85, 86
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85, 86
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85 86 84 84
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85 86 84 84
GARAGE DOOR Bolts	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85 84 84
GARAGE DOOR Bolts 9 Hinges, Ball Bearing 9 9 Hinges, Surface 9 9 Holders 9 9 Latches 9 9 Sets, Hinged 4 Hame Hooks 4 Handles, Door 9 9 Hangers, Screen 9 9 Hangers, Storm Sash 9 9 HASPS, 8 8 Basket 6 6 Cheşt 84, 8 Extra Heavy Hinge 84, 8 Hinge 84, 8 Safety 6 8 Safety 6 8 Seal Lock 8 8 and Staples 8 8 Plate Staples 84, 84,	78 79 91 97 92, 93 96 66 66 85 85, 86 85, 86 85 84 84
GARAGE DOOR Bolts 9 Hinges, Ball Bearing 9 Hinges, Surface 9 Holders 9 Latches 9 Sets, Hinged 10 Hame Hooks 10 Handles, Door 10 Hangers, Screen 10 Hangers, Storm Sash 10 HASPS, 10 Basket 10 Cheşt 84, 84, 85 Extra Heavy Hinge 84, 84, 85 Hinge 84, 84, 85 Safety 10 Swivel Staple 10 Seal Lock 10 and Staples 10 Plate Staples 10 Hinge Hasps 84, 84, 84 HINGES, 84, 84	78 97 97 97 96 66 66 66 85 85 85 85 86 84 84 89 85
GARAGE DOOR Bolts	78 79 97 97 96
GARAGE DOOR Bolts 9 Hinges, Ball Bearing 9 Hinges, Surface 9 Holders 9 Latches 9 Sets, Hinged 10 Hame Hooks 10 Handles, Door 10 Hangers, Screen 10 Hangers, Storm Sash 10 HASPS, 10 Basket 10 Cheşt 84, 84, 85 Extra Heavy Hinge 84, 84, 85 Hinge 84, 84, 85 Safety 10 Swivel Staple 10 Seal Lock 10 and Staples 10 Plate Staples 10 Hinge Hasps 84, 84, 84 HINGES, 84, 84	78 79 91 97 92, 93 96 66 66 66 85 85 85 85 86 84 84 89 85 85 85 86 8

ALPHABETICAL INDEX

Cabinet	11
Offset Cabinet5	9
Chest5	4
Continuous5	5
End Gate5	5
Fish Tail7	17
Full Surface34, 57, 61, 7	9
Garage 78 7	0
Half Surface	7
Hospital Type	5
Link 7	7
Ornamental	1
Refrigerator6	2
Reversed Pad	Q
Rolled Plate, Fast Joint	1
Rolled Plate, Loose Joint	1
Screen Door Spring	4
Spring	1
Screw Hook and Strap	n
Screw Hook and Eye	0
Strap	3
T	6
Table	2
Link7	7
Suit Case	3
Trap Door	7
Trunk82	2
Wash Tub	4
HOLDERS,	
Bar97	7
Garage Door91	1
Stake 101	
Shutter "S"	7
HOOKS,	
Back Band103	}
Bed102)
Hame	2
"S")
Sign	1
Screw Hinge80)
Awning90	1
Bolt Hinge	
Hooks and Staples	
Irons, Corner	
Irons, Stake	
Latches, Thumb97	
Latch Sets, Screen Door	
Lifts, Sash	
Lifts, Screen96	
Link Hinges	
Locks, Bottle Box77	
M	
Mending Plates98	
N CONTRACTOR OF THE PARTY OF TH	
Nails, Stay90	
0	
Ornamental Hinges59, 60, 61	

P	Page
Padlock Eyes	95
Parliament Butt Hinges	46, 47
Plate Hinges	81
Pockets, Stake	101
Pulleys, Sash	71
Pulls, Door	96
Pulls, Screen Door	96
Push Plates	63
R. C.	
Refrigerator Hinges	69
Riveting Burrs	105
Sash Locks	70
Sash Lifts	70
Sash Pulleys	
SCREEN	
Braces	67 00 00
Corners6	.07, 98, 99
Door Check	7, 90, 101
Handles	03
Hangers	96
Door Latch Sets	00
Door Hinges, Spring	03
Door Hinges, Not Spring	04
Door Pulls	65
Door Sets	96
SETS,	04, 65
Cellar Window	60
Garage Door	09 03
Screen	64 65
"S" Hooks	04, 00
"S" Shutter Fasteners	90
Shelf Brackets	100
Stake Irons, Holders or Pockets	101
Staples, Bar, Open and Closed	07 101
Staple Plates for Hinge Hasps	97, 101
Staples, Wrought	
Staples, Wagon Bow	88
Stay Nails	101
Storm Sash Fasteners	90
Storm Sash Hangers	68
Stran Hinges	66
Strap Hinges Square Back Flaps	73
Suit Case Hinges	53
Suit Case Hinges Surface Hinges, Ornamental	83
T	59, 60, 61
T Hinges	
T Plates	14, 75, 76
Trunk Hinges	99
Table Hinges	82
Table Hinges	52
Thumb Latches	97
Turns, Cupboard	63
Transom Butt Hinges	44
Wagon Row Stanles	
Wagon Bow Staples	101
Wagon Stake Irons or Pockets	101
Washers, Wrought	105
Wrought Iron Finish Hinges Wash Tub Hinges	42, 43
rash Tub Hillges	

United States Government Type Numbers

with

Comparative HAGER Numbers

Listed in Federal Specifications FF-H-111 and FF-H-116

U. S. Typ Number	•	HAGER Number	U. S. Typ Number		HAGER Number
1019	Barrel Bolt	WS-1403-A	2015	Butt Hinge	1241-A
1019A	Barrel Bolt	WS-1403-G	20151/2	Butt Hinge	1241-A-BT
1019B	Barrel Bolt	WS-1403-J	2015B	Butt Hinge	1239-A
1022	Chain Bolt	1400-A	2015½B	Butt Hinge	1239-A-BT
1022A	Chain Bolt	1400-G	2017A	Butt Hinge (Steel Pin)	1589-A
1022B	Chain Bolt	1400-J	2017½A	Butt Hinge (Steel Pin)	1589-A-BT
1050	Foot Bolt	1401-A	2018	Butt Hinge	1289-A
1050A	Foot Bolt	1401-G	2018A	Butt Hinge	1289½-A
1050B	Foot Bolt	1401-J	20181/2	Butt Hinge	1289-A-BT
1051A	Cane Bolt	1408ZJ	2018½P	Butt Hinge	1289-Pt-BT
1068	Shelf Bracket	1796-A	2021	Butt Hinge (Steel Pin)	1595
1068A	Shelf Bracket	1796-G	2021A	Butt Hinge (Steel Pin)	15951/2
1068B	Shelf Bracket	1796-J	2022½P	Butt Hinge	1295-Pt-BT
1069	Door Button	1407-G	2028	Butt Hinge (Steel Pin)	1508-A
1201	Hook Sash Lift (Brass)	1486	2029A	Butt Hinge	1319
1201A	Hook Sash Lift (Steel)	1486-A	2029B	Butt Hinge	1291-A
A1223A	Screen Lift	1207-J	2029C	Butt Hinge	1291½-A
1401	Hinge Hasp	WS-1912	2029P	Butt Hinge	1291-Pt
1401A	Hinge Hasp	WS-1308	A2030	Butt Hinge	1850
1420	Safety Hinge Hasp	WS-1915	A2030A	Butt Hinge (Loose O H Pin)	1850
1420A	Safety Hinge Hasp	WS-1310	A2030B	Butt Hinge (Full Mortise)	1850
1821	"S" Blind Turnbuckle	2983	A2030C	Butt Hinge (Full Mortis	e /
1821A	"S" Blind Turnbuckle	2982	and the second	With Loose O H Pin)	1850
1821B	"S" Blind Turnbuckle	2981	A2030D	Butt Hinge (With Brass Pin	1850-G
1430	Padlock Eyes 21/8 x17/8	1931-G	2031	Butt Hinge	WS-1804
2001	Butt Hinge	BB-1500	2040	Butt Hinge	2243-A
20011/2	Butt Hinge	BB-1500-BT	2041	Butt Hinge	BB-2243-A
2002	Butt Hinge	BB-1502	2060	Butt Hinge (Hospital type)	BB-1509
20021/2	Butt Hinge	BB-1502-BT	2061	Butt Hinge (Hospital type)	BB-1237-A
2005	Butt Hinge	1500	2061P	Butt Hinge (Hospital type)	BB-1237-Pt
20051/2	Butt Hinge	1500-BT	2080	Butt Hinge	BB-1150
2010	Butt Hinge	BB-1241-A	2080B	Butt Hinge	BB-1173-A
20101/2	Butt Hinge	BB-1241-A-BT	2080½P	Butt Hinge	BB-1173-Pt-BT
2010B	Butt Hinge	BB-1239-A	A2080	Butt Hinge (Extra Heavy)	BB-1173-A
2010½B	Butt Hinge	BB-1239-A-BT	2140	Garage Hinge (Reversed Pad	BB-1992-G
	Butt Hinge	BB-1235-Pt	2141A	Garage Hinge (Reversed Pad	
2011	Butt Hinge	BB-1250-A	2203	Strap Hinge	WS-13021/4
20111/2	Butt Hinge	BB-1250-A-BT	2208	Tee Hinge	WS-1304 ¹ / ₄
	Butt Hinge	BB-1250-Pt-BT	2209	Tee Hinge (Extra Heavy)	WS-13061/4
2014 ¹ / ₂ P	Butt Hinge	1235-Pt	2212	Tee Hinge	WS-1363 ¹ / ₂

SYMBOLS OF FINISHES

Compared with the Symbols of the U. S. Bureau of Standards and other Manufacturers

U.S.	C. Hager & Sons	FINISHES	Y. & T. Mfg. Co.	R. & E.	P. & F. Corbin	Sargent
No. U.S.— 1—B	J	Japanned, bright	I]	7
No. U.S.— 1—D	JD	Japanned, dead black			D	J
No. U.S.— 2—H	G	Hot Galvanized				
No. U.S.— 2—C	CP	Cadmium, Bright	TO SERVICE OF THE PROPERTY OF THE PARTY OF T		•••••	W
No. U.S.— 3	В	Brass, bright	AZ10	10	A	В
No. U.S.— 4	DB	Dull Brass	AY22	9	EA	OB
No. U.S.— 5	DBO	Dull Brass, slightly oxidized	AY21	9C	KA	OE
No. U.S.— 6	DBS	Sanded Brass, slightly oxidized	AX28	09C	SKA	RD
No. U.S.— 7	DBS	Sanded Brass, slightly oxidized relieved on				
1000 10 / 10-10 (I)		raised surface		09B	2A	R7D
No. U.S.— 8	ос	Antique Copper, mottled	CZ27	71/2	R	AB
No. U.S.— 9	A	Bronze, plain bright	BZ10	11	В	P
No. U.S.—10	DA	Dull Bronze	BY22	11D	DB	OP
No. U.S.—11	DAO	Dull Bronze, slightly oxidized	BY21	11C	НВ	06P
No. U.S.—12	DAS	Sanded Bronze, slightly oxidized	BX13	011C	SHB	RP
No. U.S.—13	DAS	Sanded Bronze, slightly oxidized and relieved.				R8P
No. U.S.—14	N	Nickel	NZ10	4	E	N
No. U.S.—15	DN	Dull Nickel	NY10	14	DE	LN
No. U.S.—16	NS	Nickel Sanded, slightly oxidized	NX10		SE	RN
No. U.S.—17	NS	Nickel Sanded, slightly oxidized and relieved				R7N
No. U.S.—18	GB	Bower Barff, genuine	FX80	46	F	ВВ
No. U.S.—19	K	Dead Diack, Sanded Circumate	BX80-(Bze.) FX90-(Steel)	47	KF	BN
No. U.S.—20	AL	Statuary Bronze	BY25	2	KB	A
No. U.S.—21	ALS	Statuary Bronze, sanded		02	SKB	RA
No. U.S.—22	V	Verdi Antique	BX67	36	V	VA
No. U.S.—23	SD	Dull Silver	SY52	8C	KS	LS
	IR	Old Iron Finish		161/2	HPE	HF
No. U.S.—26	CHR	Bright Chromium		24	CR	CM
No. U.S.—26D	CHRD	Dull Chromium		34	DCR	DCM
No. U.S.—P	Pt	Prime Coat for painting				

Finishes of Goods Have Been Grouped Together as per the following classifications:

The same charge being made for every finish listed in each class.

CLASS No. 1	CLASS No. 2	CLASS No. 3	CLASS No. 4	CLASS No. 5
DB-Dull Brass	A-Bright Bronze		N-Nickel	
OC-Old Copper JD-Japanned, Dead Black	B-Bright Brass	DBS-Sand Finish Brass	DN-Dull Nickel	GB-Bower Barff
CP-Cadmium, Bright	DA-Dull Bronze	K D. I DI I	SN-Sanded Nickel	GD-Dower Darm
Pt-Prime Coat	AL-Statuary Bronze	K-Dead Black	IR-Old Iron	
			上海	

CORRECT SIZES OF BUTT HINGES

FOR

WOOD OR STEEL DOORS AND TRANSOMS

(Template and Non-Template Butts)

GENERAL

Door Sizes given are jamb opening dimensions.

Extra Heavy Butts should be specified on doors where high frequency service is expected. See table 1. Extra heavy butts are made in sizes 4 inches to 8 inches inclusive. Whenever in table 2, regular weight or template A butts are specified but when the door in question is of such a character as to come into the high frequence classification, then extra heavy or template B butts of the same length and width should be substituted.

Underwriters Requirements. Two butts should be used for doors measuring 5 feet or less in height. Doors of a greater height shall require one butt for each $2^{1/2}$ feet or fraction thereof in height.

Butt Sizes given refer to length of joint.

Template Letters refer to templates recommended as standard by the Advisory Committee on the Standardization of Hardware for Hollow Metal Doors.

Wrought Bronze Doors weigh about 50 per cent more than steel doors and require heavier butts.

Butt Hinges

Table 1

Number of Operations of one leaf of door, opening and closing=1 cycle

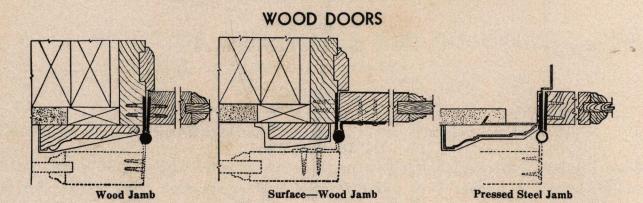
Type of Building and Door	Expected	Frequency	
	Daily	Yearly	
Large department store entrance	5,000	1,500,000]	
Large office building entrance	4,000	1,200,000	
Theater entrance	*1,000	450,000	
Schoolhouse entrance		225,000	TTimb
Schoolhouse toilet door		225,000	High Frequency
Store or bank entrance		150,000	requency
Office building toilet door		118,000	
Schoolhouse corridor door	80	15,000	
Office building corridor door		22,000	
Store toilet door	60	18,000	
Dwelling house entrance	40	15,000	
Dwelling house toilet door			
Dwelling house corridor door	10	9,000	
Dwelling house closet described	10	3,600	
Dwelling house closet door	6	2,200	
*Per Performance			

Butt Hinges

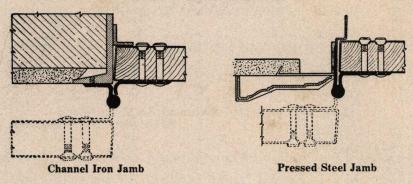
Table 2
3/4" and 7/8" Cupboard Doors of Wood

	%4 and	% Cupboa	d Doors of v		
		No	of Size of	Weight of Non-Template	Template
Width to 24"	Height		Butts Butts	Butts	Letter*
10 24	to 60			Reg.	A
. 2011			n Doors of W		
to 36" to 36"	Over 60" to 90		3" 3"	Reg.	A
10 30	Over 60 to 90			Reg.	A
to 20"		11/8" Doors			
to 36" to 36"	Over 60" to 90		$\frac{3\frac{1}{2}"}{3\frac{1}{2}"}$	Reg.	A A
10 00	0 10 10 30	1½" Doors		Reg.	Λ
to 36"	to 60				A-2
to 36"	Over 60" to 90				A-2
			oors of Woo	d	
to 32"	to 60			Reg.	Α
to 32"	Over 60" to 90	0" 3		Reg.	Ā
Over 32" to 37"	to 60			Reg.	A
Over 32" to 37"	Over 60" to 90			Reg.	A
1 00%		and 13/8" I	Doors of Stee		
to 32" to 32"	Over 60" to 90				A-2
Over 32" to 37"	to 60				A-2 A-2
Over 32" to 37"	Over 60" to 90				A-2
	1 1 1 1 1 1 1 a	nd 17/8" Do	ors of Steel	or Wood	
to 32"	to 60			Reg.	A
to 32"	Over 60" to 90			Reg.	$\overline{\mathbf{A}}$
to 32"	Over 90" to 120			Reg.	A
Over 32" to 37" Over 32" to 37"	Over 60" to 90			Reg.	A
Over 32" to 37"	Over 90" to 120			Reg. Reg.	A
Over 37" to 43"	to 60			Ex. Hvy.	B
Over 37" to 43"	Over 60" to 90			Ex. Hvy.	В
Over 43" to 50"	Over 60" to 90			Ex. Hvy.	В
Over 37" to 50"	Over 90" to 120			Ex. Hvy.	В
			rs of Steel or		
to 37" to 37"	Over 60" to 90			Reg.	A
to 37"	Over 90" to 120			Reg. Reg.	AA
Over 37" to 43"	to 60			Ex. Hvy.	B
Over 37" to 43"	Over 60" to 90			Ex. Hvy.	В
Over 43" to 50" Over 43" to 50"	to 60			Ex. Hvy.	В
Over 37" to 50"	Over 60" to 90 Over 90" to 120			Ex. Hvy.	B B
0101 07 10 00				Ex. Hvy.	Ъ
to 48"	to 20		ansoms of \mathbf{W}_{0}		
Over 48" to 72"	to 20			Reg. Reg.	A A
to 48"	Over 20" to 30	6" 2	3"	Reg.	Ã
Over 48" to 72"	Over 20" to 30	the first of the second process of the second secon		Reg.	A
		1/4" Transon	ms of Steel		
to 48"	to 30				A
Over 48" to 72"	to 30				A
	$1\frac{1}{2}$, $1\frac{9}{16}$, $1\frac{3}{4}$			el or Wood	
over 48" to 48"	to 20			Reg.	A
to 48"	Over 20" to 30			Reg.	A
Over 48" to 72"	Over 20" to 30			Reg. Reg.	A
			soms, Steel o		ia an
to 48"	to 2			Reg.	A
Over 48" to 84"	to 20	0"	$\frac{3}{2}$	Reg.	A
to 48"	Over 20" to 30	6" 2	2 4"	Reg.	Ä
Over 48" to 84"	Over 20" to 30	6"	3 4"	Reg.	A
*A designates regular B designates extra b A-2 designates regular	neavy butts.	row widths.			
B-2 designates extra	heavy butts of narroy	w widths.			

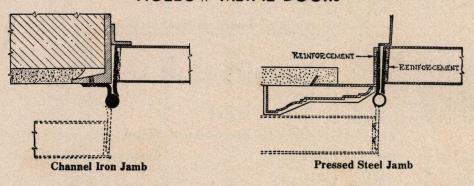
APPLICATIONS OF BUTT HINGES



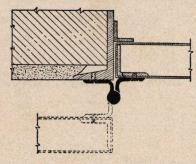
KALAMEIN DOORS



HOLLOW METAL DOORS

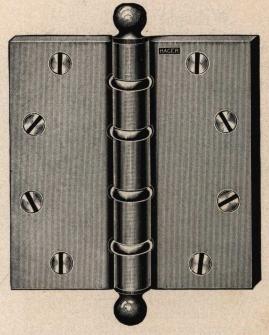


ANGLE IRON STEEL DOORS



Channel Iron Jamb

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Four Ball Bearings—Loose— Not Fastened—Easily Renewed.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-1250—Non-Template

No. BB-1168-Template

Prime Coat for Painting

No. BB-1251—Non-Template

No. BB-1118—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1502-Non-Template

No. BB-1199—Template

For Heavy Doors and on doors often used, such as Entrance Doors.

Each Butt is equipped with four Ball Bearings. Leaves are beveled at joint, outer edges square.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

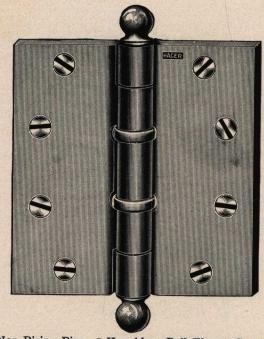
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches)	4x4	41/2x41/2	5x5	6x6	8x6	8x8
Screw Holes	8	8	10	10	16	16
Size of Screws	1½x12	1 ¹ / ₄ ×12	1½x12	11/2×14	1½x14	1½x14
Size of Machine Screws	1/2 x 12-24	1/2×12-24	1/2×12-24	1/2 x 1/4-20	1/2x1/4-20	1/2x1/4-20
Gauge of Metal	.170	.180	.190	.203	.203	.203
Weight Approximated Per Pair, Pounds	21/2	3	33/4	61/4	8	91/2

Standard



Non-Rising Pins—5 Knuckles—Ball Tips or Button Tips—Two Ball Bearings—Loose— Not Fastened—Easily Renewed.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-1239—Non-Template

No. BB-1174—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1500—Non-Template

No. BB-1193—Template

For use on regular weight doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt has two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

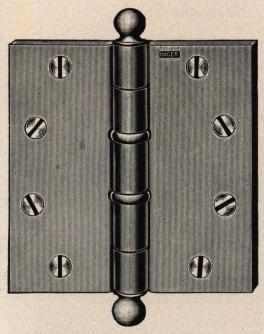
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are packed with all machine screws unless otherwise specified.

Packed One Pair in a Box with Screws

Size Open, Inches	3x3	31/2×31/2	4x4	41/2×41/2	5x5	6x6
Screw Holes	6	6	8	8	8	10
Size of Screws	3/4×8	1x10	1x12	1½x12	1½x12	1½x14
Size of Machine Screws	½x10-24	½x10-24	1/2×12-24	¹ / ₂ x12-24	½x12-24	1/2x1/4-20
Gauge of Metal	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds, Bronze	100	145	195	255	335	515
Weight Approximated Per 100 Pair, Pounds, Steel	80	135	180	225	305	470

Standard



Highly Polished—Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Two Ball Bearings—Loose—Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished

No. BB-1241 ½—Non-Template

No. BB-12791/2—Template

For regular weight doors. All sizes are equipped with two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with all Wood Screws.

Template Butts are Packed with all machine screws for Metal Doors with Steel Jambs.

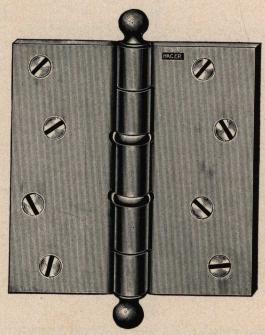
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	4½x4½	5x5	6x6
Screw Holes	6	6	8	8	8	10
Size of Screws, Non-Template	3/4×10	1x10	1x12	1½x12	1½x12	1½x14
Size of Screws, Template	1x8	1x9	1x12	1½x12	1½x12	1½x14
Size of Machine Screws	1/2×10-24	½x10-24	1/2×12-24	½x12-24	1/2×12-24	1/2 x 1/4 - 20
Gauge of Metal	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds	85	135	180	225	300	470
Pairs in Full Carton	100	50	50	20	25	10 85 00 TT

Standard



Planished—Non-Rising Pin—Five Knuckles—Ball Tips or Button Tips—Two Ball Bearings—Loose—Easily Renewed—Not Fastened.

Wrought Steel

Plated

No. BB-1241—Non-Template

No. BB-1279—Template

Prime Coat for Painting

No. BB-1235—Non-Template

No. BB-1146—Template

For Regular weight doors. All sizes are equipped with two Ball Bearings.

Non-Template Butts are used on Wood Doors with Wood Jambs.

Template Butts are used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

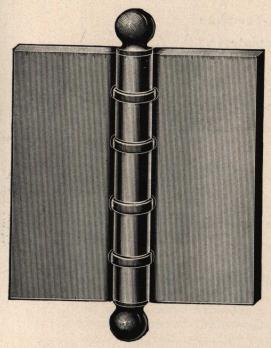
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	41/2×41/2	5x5	6x6
Size Template	1x8	1x9	1x10	1½x12	1½x12	1½x14
Size Non-Template	3/4×10	1x10	1x12	1½x12	1½x12	1½x14
Screw Holes	6	6	8	8	10	10
Size of Machine Screw	½x10-24	1/2×10-24	½x12-24	1/2×12-24	1/2×12-24	¹ / ₂ x ¹ / ₄ -20
Gauge of Metal	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds	85	135	180	225	300	475
Pair in a Full Carton	100	50	50	20	25	

Extra Heavy Blank



Non-Rising Loose Pin—Five Knuckles—Ball Tip or Button Tip—Four Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel - Bright

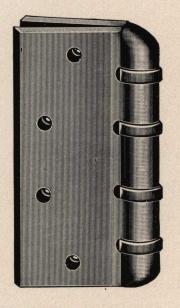
Without Screw Holes

No. BB-1851-Bright Steel

For Heavy Iron Doors. Made of Bright Cold Rolled Steel. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with four Ball Bearings.

Size Open (Inches)	6x4	6x5	6x6	6x8	8x6	8x8
Gauge of Metal	.203	.203	.203	.203	.203	.203
Weight Approximated Per Pair, Pounds	43/4	51/2	6	71/4	71/2	91/2

Extra Heavy
For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins—Four Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2250-Non-Template

No. BB-2168—Template

Prime Coat for Painting

No. BB-2251-Non-Template

No. BB-2118—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2181—Non-Template

No. BB-2199—Template

For Heavy Hospital Doors and Doors often used such as entrance Doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with four Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

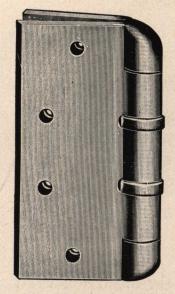
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches)	4x4	4½x4½	5x5	6x6
Screw Holes	8	8	8	10
Size of Screws	1 12	11/4 12	11/4 12	11/2 14
Size of Machine Screws	1/2×12-24	1/2×12-24	1/2×12-24	¹ / ₂ x ¹ / ₄ -20
Gauge of Metal	.170	.180	.190	.203
Weight Approximated Per Pair, Pounds	21/4	23/4	31/2	51/2

Standard
For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins— Two Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2239—Non-Template

No. BB-1197—Template

Prime Coat for Painting

No. BB-2235—Non-Template

No. BB-2145-Template

Wrought Brass or Bronze

Highly Polished

No. BB-1509—Non-Template

No. BB-2293—Template

For use on regular weight Hospital Doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

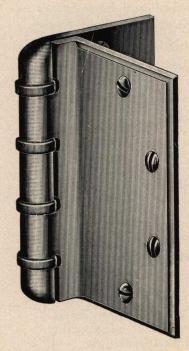
All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	8
Size of Screws	3/4 8	1 10	1 12	11/4 12	11/4 12
Size of Machine Screws	1/2×10-24	1/2×10-24	1/2×12-24	¹ / ₂ x12-24	1/2×12-24
Gauge of Metal	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds	75	135	190	250	315
Weight Approximated Per 100 Pair, Steel, Pounds	70	120	170	200	270

Extra Heavy For Hospitals

For Kalamein Doors with Steel Jambs



Rounded Barrel Ends—Non-Removable Pins— Four Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2163—Template

Prime Coat for Painting
No. BB-2123—Template

Wrought Bronze or Brass

Highly Polished
No. BB-3113—Template

For use on Heavy Hospital Doors often used. Each Butt is equipped with four Ball Bearings. The Leaves are beveled at the joint.

Packed One in a Box with Oval Head Machine Screws with Grommet Nuts for the Surface Leaf and Flat Head Machine Screws for the Jamb Leaf.

Size (Inches)	41/2	5	5
FH Machine Screws for Jamb Leaf	4-1/2×12-24	4-1/2×12-24	5-1/2 x 1/4-20
OH Machine Screws Grommet Nuts for Door Leaf.	3-2 ¹ / ₄ x ¹ / ₄ -20	4-2 ¹ / ₄ x ¹ / ₄ -20	5-2 ¹ / ₂ x ¹ / ₄ -20
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Bronze, Pounds	31/2	41/2	5
Weight Approximated Per Pair, Steel, Pounds	31/4	4	43/4

Standard

For Hospitals - For Kalamein Doors of Medium Weight



Rounded Barrel Ends—Non-Removable Pins— Two Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2162—Non-Template

No. BB-2172—Template

Prime Coat for Painting

No. BB-2126—Non-Template

No. BB-2132—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3116—Non-Template

No. BB-4112—Template

For use on regular weight Hospital Doors. This Butt is used where the finest and highest grade of hardware is wanted. Each Butt is equipped with two Ball Bearings, leaves are beveled at joint.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

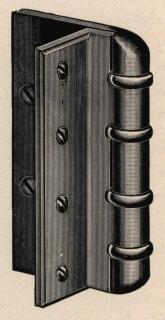
Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size (Inches)	3	31/2	4	41/2	5
FH Machine Screws for Jamb Leaf, Tem	3-1/2×10-24		4-1/2×12-24	4-1/2 x 12-24	4- ¹ / ₂ x12-24
FH Machine Screws for Jamb Leaf, N. Tem OH Machine Screws with Grommet Nuts for Door	3-3/4×8	3-1x9	4-1×10	4-1 ¹ / ₄ ×10	$5-1\frac{1}{4}\times12$
Leaf	3-1½x10-24	3-13/4×10-24	3-2x ¹ / ₄ -20	3-2x ¹ / ₄ -20	4-2x ¹ / ₄ -20
Gauge of Metal	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds	95	155	205	255	355
Weight Approximated Per 100 Pair, Steel, Pounds.	85	145	190	240	330

Extra Heavy
For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins— Four Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2138—Template

Prime Coat for Painting
No. BB-3114—Template

Wrought Brass or Bronze

Highly Polished
No. BB-3198—Template

For Heavy Doors and Doors often used. Leaves are beveled at joint. For Metal Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5	6
OH Machine Screws for Jamb Leaf	3-1/2×12-24	4- ¹ / ₂ x12-24	$4-\frac{1}{2}x^{\frac{1}{4}}-20$
FH Machine Screws for Door Jamb	4- ¹ / ₂ x12-24	4- ¹ / ₂ x12-24	$5-\frac{1}{2}x^{\frac{1}{4}}-20$
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Pounds	3	33/4	51/2

Standard



Rounded Barrel Ends—Non-Removable Pins— Two Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-31671/2—Template

Prime Coat for Painting

No. BB-3128—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3108—Template

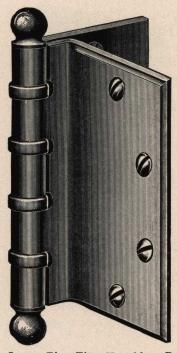
For use on Regular Weight Hospital Doors with Steel Jambs. Leaves are beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches)	4½	5
OH Machine Screws for Jamb Leaf	3-1/2×12-24	4-1/2×12-24
FH Machine Screws for Door Leaf	4-1/2×12-24	4- ¹ / ₂ x12-24
Gauge of Metal	.134	.146
Weight Approximated Per Pair, Pounds	2	21/4

Extra Heavy Template

For Kalamein Doors with Steel Jambs



Non-Rising Loose Pin—Five Knuckles—Ball Tip or Button Tip—Four Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-1163—Template

Prime Coat for Painting

No. BB-1123—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2113—Template

For Kalamein Doors with Steel Jambs. For Heavy Doors and Doors often used. Each Butt is equipped with four Ball Bearings. Leaves are beveled at joint.

Packed One in a Box with Oval Head Machine Screws with Grommet Nuts for the Surface Leaf and Flat Head Machine Screws for the Jamb Leaf.

Size (Inches)	41/2	5	6
FH Machine Screws	4- ¹ / ₂ x12-24	4-1/2×12-24	5-1/2x1/4-20
OH Machine Screws	3-2 ¹ / ₄ x ¹ / ₄ -20	4-2 ¹ / ₄ x ¹ / ₄ -20	5-2½x¼-20
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Bronze, Pounds	4	5	53/4
Weight Approximated Per Pair, Steel, Pounds	33/4	41/2	51/4

Standard

For Kalamein Doors of Medium Weight



Non-Rising Loose Pin—Five Knuckles—Ball Tip or Button Tip—Two Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

LEAVES BEVELED AT JOINT.

No. BB-1162—Non-Template No. BB-1172—Template

Highly Polished
No. BB-1150½—Non-Template
No. BB-1173½—Template

No. BB-1150—Non-Template
No. BB-1173—Template

Prime Coat for Painting
No. BB-2125—Non-Template
No. BB-1133—Template

Wrought Brass or Bronze

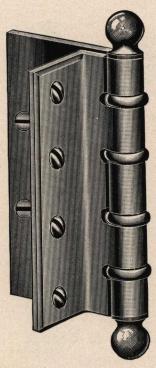
Highly Polished
No. BB-2116—Non-Template
No. BB-2112—Template

Specify Template Butts on Kalamein Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches)	3	31/2	4	41/2	5
Screws Flat Head for Jamb, Template	3-1/2×10-24	3-1/2×10-24	4-1/2×12-24	4-1/2×12-24	4-1/2×12-24
Screws Flat Head for Jamb, Non-Template	3-3/4×8	3-1x9	4-1×10	4-1 ¹ / ₄ ×10	$5-1\frac{1}{4} \times 12$
Oval Head Machine Screws Grommet Nut, Door				/4	0-1/4218
Leaf	$3-1\frac{1}{2} \times 10-24$	3-13/4×10-24	3-2x ¹ / ₄ -20	3-2x1/4-20	3-2x1/4-20
Gauge of Metal	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds	100	165	215	280	375
Weight Approximated Per 100 Pair, Steel, Pounds.	90	155	200	260	350
Pair in Full Carton	100	50	50	14 100 37	

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Four Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-1138—Template

Prime Coat for Painting
No. BB-2114—Template

Wrought Brass or Bronze

Highly Polished
No. BB-2098—Template

For use on Heavy Doors and Doors often used. Leaves are beveled at joint. For Metal Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5	6
OH Machine Screws for Jamb Leaf	3-1/2×12-24	4-1/2×12-24	4-1/2×12-24
FH Machine Screws for Door Leaf	4- ¹ / ₂ x12-24	4- ¹ / ₂ x12-24	$5^{-1}/_{2}x^{1}/_{4}-20$
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Pounds.	3	33/4	51/2

Standard



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Two Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-11671/2—Template

Prime Coat for Painting

No. BB-1128—Template

Wrought Brass or Bronze

Highly Polished

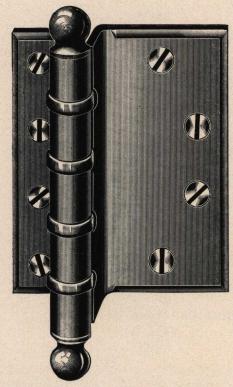
No. BB-1108—Template

For use on Regular Weight Metal Doors with Steel Jamb. Leaves are beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5
OH Machine Screws for Jamb Leaf	3-1/2×12-24	4-1/2×12-24
FH Machine Screws for Door Leaf	4-1/2×12-24	4-½x12-24
Gauge of Metal	.134	.146
Weight Approximated Per Pair, Pounds	21/4	21/2

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Four Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-2169—Template

Prime Coat for Painting

No. BB-2129—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2109—Template

For Heavy Doors and Doors often used. Leaves are beveled at joint.

For use on Kalamein Doors with Channel Iron Jambs.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5	6
OH Machine Screws for Jamb Leaf	3-½x12-24	4- ¹ / ₂ x12-24	4-1/2x1/4-20
OH Machine Screws for Door Leaf, Grommet Nuts.	3-2 ¹ / ₄ x ¹ / ₄ -20	4-2 ¹ / ₄ x ¹ / ₄ -20	5-2 ¹ / ₂ x ¹ / ₄ -20
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Pounds	4	5	5 ½

Standard



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips—Two Ball Bearings—Loose— Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished

No. BB-2170—Template

Planished

No. BB-2171—Template

Prime Coat for Painting

No. BB-2131—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2110-Template

For use on Regular Weight Standard Kalamein Doors with Channel Iron Jambs.

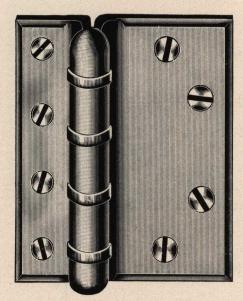
Nos. BB-2170 and BB-2110 have the leaves beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5
OH Machine Screws for Jamb Leaf	3-½x12-24	4- ¹ / ₂ x12-24
OH Machine Screws for Door Leaf	3-2x ¹ / ₄ -20	4-2x ¹ / ₄ -20
Gauge of Metal	.134	.146
Weight Approximated Per Pair, Pounds	23/4	4

Extra Heavy

For Hospital Kalamein Doors With Channel Iron Jambs



Rounded Barrel Ends—Non-Removable Pins—Four Ball Bearings.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. BB-3169—Template

Prime Coat for Painting

No. BB-3129—Template

Wrought Brass or Bronze

Highly Polished

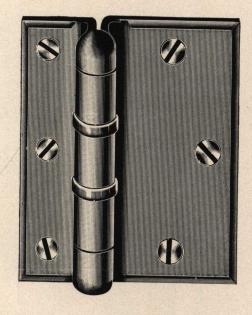
No. BB-3109—Template

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5	6
OH Machine Screws for Jamb Leaf	3-1/2×12-24	4-1/2×12-24	4-1/2x1/4-20
OH Machine Screws for Door Leaf, wth Grommet Nuts	3-2 ¹ / ₄ x ¹ / ₄ -20	4-2 ¹ / ₄ x ¹ / ₄ -20	5-2½x¼-20
Gauge of Metal	.180	.190	.203
Weight Approximated Per Pair, Pounds	31/4	4	41/2

Standard

For Hospital Kalamein Doors With Channel Iron Jambs



Rounded Barrel Ends—Non-Removable Pins— Two Ball Bearings.

Wrought Steel

Highly Polished
No. BB-170—Template

Prime Coat for Painting
No. BB-134—Template

Wrought Brass or Bronze

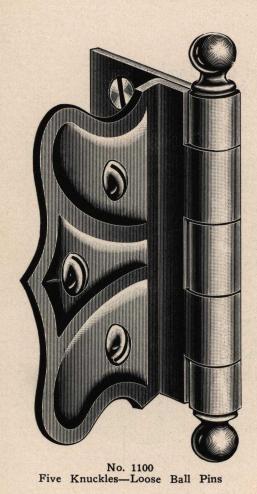
Highly Polished
No. BB-110—Template

For use on Regular Weight Kalamein Doors with Channel Iron Jambs. Leaves are beveled along joint. No. BB-170 has a heavy coat of copper plate before final finish.

Packed One Pair in a Box with Screws.

Size (Inches)	41/2	5
OH Machine Screws for Jamb Leaf	$3-\frac{1}{2}$ x12-24	4-1/2×12-24
OH Machine Screws for Door Leaf with Grommet Nuts	3-2x ¹ / ₄ -20	4-2x ¹ / ₄ -20
Gauge of Metal	.134	.146
Weight Approximated Per Pair, Pounds	23/4	4

Half Surface Butt Hinges - Standard



No. 1100 Plated
Wrought Steel

By unscrewing Ball Plug on Nos. 1100 and 1125, Butts can be used for either Right or Left Hand Doors. For use on Wood Doors.

No. 1125 Plated
Wrought Steel



No. 1125
Five Knuckles—Loose Ball Pins

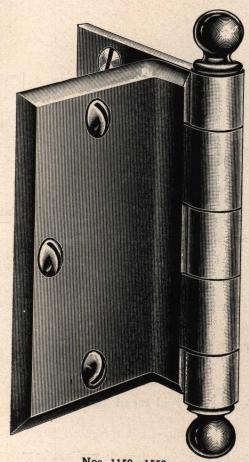
Packing, etc., of No. 1100 and No. 1125 Mortise Leaf with FH Wood Screws, Surface Leaf Oval Head Wood Screws.

Size In Length of Joint	2	21/2	3	31/2	4	41/2	5
Screw Holes	5	5	6	6	6	8	9
Size of Screws	3/4×7	3/4×7	3/4×8	1x9	1x10	1½x10	1½x10
Gauge of Metal	.065	.089	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds	30	50	95	160	205	260	370
Pairs in Full Carton	150	120	50	50	25	25	30.10

Sizes 2 and 2½ packed Three Pair in a Box.

Larger sizes packed One Pair in a Box.

Half Surface Butt Hinges - Standard



Nos. 1150—1550 Five Knuckles—Loose Ball Pins

No. 1150

Wrought Steel - Plated

No. 1550

Wrought Brass or Bronze

By unscrewing Ball Plug this Butt can be used for either Right Hand or Left Hand Doors. For Use on Wood Doors.

Packing, etc., Mortise Leaf with FH Wood Screws Surface
Leaf with Oval Head Wood Screws.

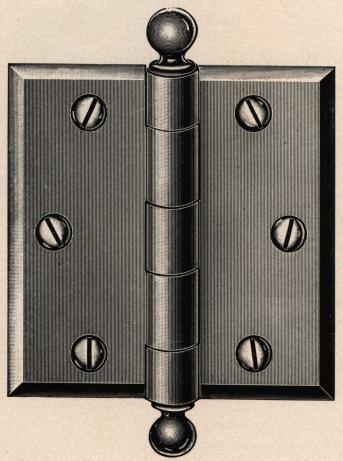
Size In Length of Joint	2 5	2½ 5	3	3½ 6	4 6	4½ 8	5 9
Size of Screws	3/4×7	3/4×7	3/4×8	1x9	1x10	1½x10	1½x10
Gauge of Metal	.065	.089	.092	.123	:130	.134	.146
Weight Approximated Per 100 Pair, Pounds	30	50	95	160	205	260	370
Pairs in Full Carton	150	120	50	50	25	25	

Sizes 2 and 21/2 packed Three Pair in a Box.

Larger sizes packed One Pair in a Box.

Surface Butt Hinges

Standard



Nos. 1221—1551 Five Knuckles—Loose Ball Pins—Flat Back

No. 1221 Wrought Steel Plated

For use on the surface of Wood Doors. Small sizes are for use on small cabinets. Both leaves have beveled edges.

No. 1551

Wrought Brass or Bronze

Packed with Oval Head Screws.

2" and 2½" packed 3 pair in a box with oval head screws.
3" and larger packed one pair in a box with oval head screws.

Size Open (Inches)	1½x1½	2x2	2½x2½	3x3	3½x3½	4x4
Screw Holes	4	4	6	6	6	8
Size of Screws	5/8×6	3/4×7	3/4×8	3/4×8	1x9	1x10
Gauge of Metal	.055	.065	.074	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds	15	30	50	80	130	185
Pairs in a Carton	150	150	150	100	50	50

For Hospital Doors



Rounded Barrel Ends-Non-Removable Pins.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. 2239—Non-Template

No. 2197—Template

Prime Coat for Painting

No. 2235-Non-Template

No. 2145—Template

Wrought Brass or Brass

Highly Polished

No. 1509—Non-Template

No. 2293—Template

For use where highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

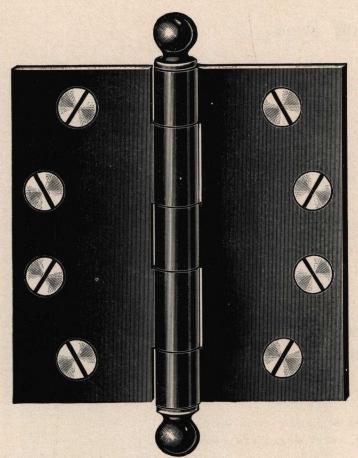
Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	8
Size of Screws	1x8	1x9	1x10	1½x12	1½x12
Size of Machine Screws	1/2×10-24	¹ / ₂ x10-24	1/2×12-24	1/2×12-24	1/2×12-24
Gauge of Metal	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds	90	140	185	235	315
Pair in a Full Shipping Carton	100	50	50	20	25



Non-Rising Loose Pins—Five Knuckles—Ball Tips or Button Tips.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. 1239—Non-Template
No. 1174—Template

Wrought Brass or Bronze

Highly Polished, Steel Bushed.

No. 1500—Non-Template
No. 1193—Template

For use where highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square.

Non-Template Butts used on Wood Doors and Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with Wood Screws.

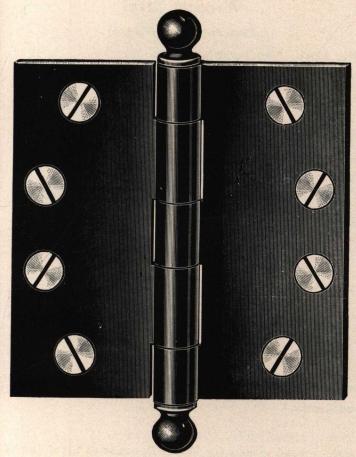
Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with \(\frac{1}{2}\) machine screws and \(\frac{1}{2}\) wood screws for wood doors with Steel Jambs.

(All Template Butts are packed with all machine screws unless otherwise specified).

Packed One Pair in a Box with Screws.

Size Open (Inches)	2x2	21/2×21/2	3x3	3½x3½	4x4	41/2×41/2	5x5	6x6
Screw Holes	4	6	6	6	8	8	8	10
Size of Screws	3/4×7	3/4×8	1x8	1x9	1x10	1½x12	1½x12	1½x14
Size of Machine Screws		1/2×8-32	1/2×10-24	1/2×10-24	1/2×12-24	1/2×12-24	1/2×12-24	
Gauge of Metal	.082	.089	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds	35	60	90	140	185	235	315	490
Pair in a Full Shipping Carton	150	150	100	50	50	20	25	



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips.

Wrought Steel

Highly Polished

No. 1241 1/2 Non-Template

No. 12791/2—Template

For use on Standard Weight Interior Doors where a polished surface is wanted.

Non-Template Butts are for wood Doors with Wood Jambs, packed with all wood screws.

Template Butts are for Wood Doors with Steel Jambs, packed $\frac{1}{2}$ wood screws and $\frac{1}{2}$ machine screws.

Packed One Pair in a Box with Screws.

Size Open (Inches)	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	6	8	8	8
Size of Screws, Wood	3/4×8	1x8	1x9	1x10	1½x12	1½x12
Size of Screws, Machine	1/2×8-32	1/2×10-24	1/2×10-24	½x12-24	1/2×12-24	1/2×12-24
Gauge of Metal	.089	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds	55	80	135	180	225	300
Pairs in Full Carton	102	100	50	50	20	25



Non-Rising Loose Pins—Five Knuckles— Ball Tips or Button Tips.

Wrought Steel

Planished and Plated

No. 1241-Non-Template

No. 1279—Template

Prime Coat for Painting

No. 1242-Non-Template, with Button Tips

No. 1146—Template, with Button Tips

JAPANNED_Non-Template

No. 1733—Dead Black (With Screws)

No. 7311—Bright Black (With Screws)

No. 1731—Bright Black
(Without Screws)

For use on Standard Weight Doors where a first grade butt hinge is wanted.

Non-Template Butts used on Wood Doors with Wood Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with 1/2 machine screws and 1/2 wood screws for Wood Doors with Steel Jambs.

No. 1731 Packed without screws, 2x2, 1 Dozen Pair, Other Sizes 1/2 Dozen Pair Per Box.

Nos. 1241, 1279, 1242, 1146, 1733, 7311 — 2x2 and 2½x2½ Packed Three Pair in a Box with Screws, Larger Sizes Packed One Pair in a Box with Screws.

Size Open (Inches)	2x2	21/2x21/2	3x3	3½x3½	4x4	41/2×41/2	5x5	6x6
Screw Holes	4	6	6	6	8	8	8	10
Size of Screws Non-Template Wood	3/4×7	3/4×8	3/4×8	1x9	1x10	1½x12	1½x12	1½x12
Size of Screws Template Machine		1/2×8-32	1/2×10-24	1/2×10-24	1/2×12-24	½x12-24	1/2×12-24	1
Gauge of Metal	.082	.089	.092	.123	.130	.134	.146	.160
Weight Approx. Per 100 Pair, Pounds	34	55	83	135	180	225	300	475
Pairs in a Carton	150	150	100	50	50	20	25	



Non-Rising Loose Pins—Five Knuckles— Ball Tips or Button Tips.

Wrought Steel

Non-Template

No. 1823—Bright (Without Screws)

No. WS-1823—Bright (With Screws)

No. WS-1823-CP—Cadmium Plated (With Screws)

No. WS-1345—Galvanized, with Brass Pins (With Galvanized Screws)

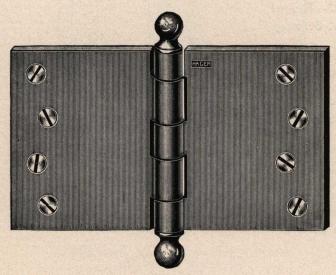
For use on Standard Weight Doors where a good grade of Butt Hinge is wanted.

No. 1823 Packed 2x2—1 Doz. Pair, Other Sizes 1/2 Doz. Pair in a Box.

Nos. WS-1823, WS-1823-CP, and WS-1345, the 2x2 and 21/2x21/2 are packed Three Pair in a Box with Screws. Larger Sizes packed One Pair in a Box.

Size Open (Inches)2x2	2½x2	21/2x21/2	3x21/2	3x3 3 ¹ / ₂	/2x3	3½x3½	4x4	41/2x41/2	5x5	6x6
Screw Holes 4	4	6	6	6	6	6	8	8	8	10
Size of Screws3/4x7	3/4×8	3/4×8	3/4×8	3/4×8	1x9	1x9	1x10	1½x12	1½x12	1½x12
Gauge of Metal082	.089	.089	.092	.092	.123	.123	.130	.134	.146	.160
Weight Approx. Per 100 Pair, Lbs. 35	50	55	80	85	120	135	180	225	305	470
Pairs in a Carton 150	150	150	100	100	50	50	50	20	25	

For Folding Doors



Non-Rising Loose Pins—Five Knuckles— Ball Tips or Button Tips.

Wrought Steel

No. 2243—Plain Bearing

No. BB-2243—Ball Bearing (2 Loose Bearings)

Packed One Pair in a Box with Screws.

For use on Wood Doors where a big clearance is wanted. Screw Holes are arranged for a door 13/8 in. and thicker.

Size Open (Inches)	3x4	3x6	3½x5	3½x6	4x5	4x6	4x7	5x7	5x8
Screw Holes	6	6	6	6	8	8	8	10	10
Size of Screws	3/4×8	3/4×8	1x9	1x9	1x10	1x10	1x10	1½x12	1½x12
Gauge of Metal	.092	.092	.123	.123	.130	.130	.130	.146	.146
Weight Approximated Per 100 Pair, Pounds	100	125	170	190	210	250	270	400	450

Loose Joint

For Right and Left Hand Doors - Must Be Specified



Illustration Shows Left Hand Butt Hinge.

Specify Right or Left Hand.

Wrought Steel

No. 1806—Bright Steel (With Screws)

No. 1806-J—Japanned (With Screws)

No. 1321—Galvanized, with Brass Pin (With Screws)

No. 186-Template Prime Coat

No. 1216—Non-Template Prime Coat

Template made only in 3x3, 3½x3½, and 4x4 sizes.

Prime Coat One Pair in a Box with Screws.

No. 1806 One Dozen Pair Per Box.

Nos. 1806-J, 1321 1/2 Dozen Pair Per Box with Screws.

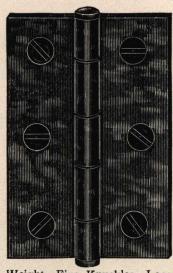
Size Open (Inches)	2x2	2½x2½	3x3	3½x3½	4x4
Screw Holes	4	6	6	6	8
Size of Screws	3/4×7	3/4×8	3/4×8	1x9	1×10
Gauge of Metal	.082	.089	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds	32	50	80	125	170

For Cupboards

Wrought Steel Light

WROUGHT IRON FINISH

No. 1276



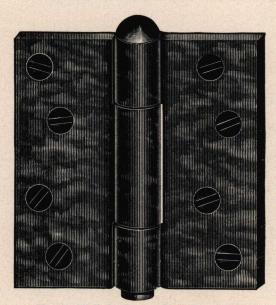
Light Weight—Five Knuckles—Loose Pin— Button or Steeple Tip.

This Butt can be furnished with either Button or Steeple Tip.

The Steeple Tip is furnished in either Steel Steeple Tip or Brass Steeple Tip.

Packed 1/2 Dozen Pair in a Box with Screws.

Size Open (Inches)	21/2×2	21/2×21/2
Screw Holes	6	6
Size of Screws	3/4×6	3/4×6
Gauge of Metal	.065	.065
Weight Approximated Per Dozen Pair, Pounds	31/2	4



Rough Rolled-Loose Oval Head Pin.

Wrought Steel Rough Rolled

WROUGHT IRON FINISH

No. 1248

Packed One Pair in a Box with Screws.

Size Open (Inches)	31/2×31/2	4×4	4x5
Screw Holes	6	8	8
Size of Screws	1x9	1x10	1x10
Gauge of Metal	.123	.130	.130
Weight Approximated Per 100 Pair, Pounds	150	200	235



Broad—Five Knuckles—Loose Pins—Button or Steeple Tips.

Wrought Steel Broad WROUGHT IRON FINISH

No. 1246—Plain Bearing
No. BB-1246—Ball Bearing (2 Loose Bearings)

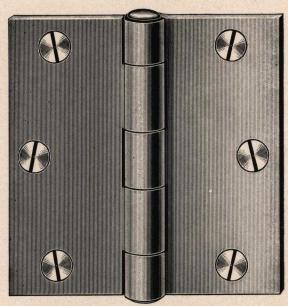
This Butt can be furnished with either Button or Steeple Tip.

The Steeple Tip is furnished in either Steel Steeple Tip or Brass Steeple Tip.

Packed One Pair in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	10
Size of Screws	3/4×8	1x9	1x10	1½x12	1½x12
Gauge of Metal	.092	.123	.130	.134	.140
Weight Approximated Per 100 Pair, Pounds.	80	135	180	225	300
Full Carton	100	50	50	20	25

Fast Joint - Riveted Pins



Broad Fast Joint Riveted Pins-Five Knuckles

Wrought Steel

No. 1291-Plated Non-Template

No. 1178—Template

Prime coat for Painting:

No. 1290-Non-Template

No. 1148—Template

Polished and Plated

No. 1291 1/2 Non-Template

No. 1176—Template

Wrought Brass or Bronze

Polished

No. 15081/2—Non-Template

No. 15481/2—Template

For use on Transoms and other standard weight doors where a fast joint riveted pin hinge is required.

On the Brass or Bronze Butt the leaves are beveled at the joint.

PACKING

2x2 and 2½x2½—One Dozen Pair in a Box with Screws

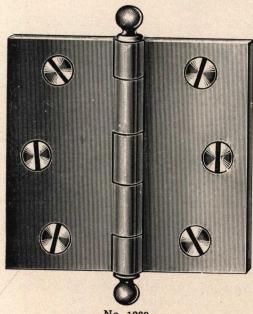
—One Half Dozen Pair in a Box with Screws

3½x3½ and 4x4—One Pair in a Box with Screws

Size Open (Inches)	2x2	21/2x21/2	3x3	31/2x31/2	4x4
Screw Holes	4	6	6	6	8
Size of Wood Screws	3/4×7	3/4×8	3/4×8	1x9	1x10
Size of Machine Screws		¹ / ₂ x8—32	½x10—24	½x10—24	1/2×12—24
Gauge of Metal	.082	.089	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds	30	50	70	100	135

For Regular Standard Steel See Page 48

Standard Light Weight Butt Hinges For Cabinets, Etc.



No. 1289 Light Weight Broad Ball or Button Tips-Loose Pins-Five Knuckles

Wrought Steel Broad

No. 1289-Plated

No. 12891/2—Polished

No. 1285-Prime Coat for Painting, with Button Tips

Wrought Brass or Bronze

No. 1589-Polished

Wrought Steel Narrow

No. 1295-Plated

No. 12951/2—Polished

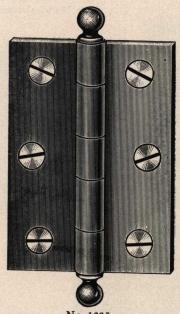
No. 1282-Prime Coat for Painting, with Button Tips

Wrought Brass or Bronze

No. 1595-Polished

These Butts are used on Doors for Cabinets and other light weight doors.

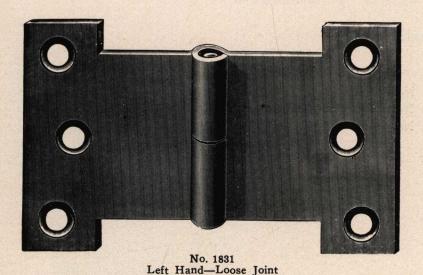
All Packed One Dozen Pair in a Box with Screws.



No. 1295 Light Weight Narrow Ball or Button Tips—Five Knuckles— Loose Pins

Size Open (Inches) Broad		2x2	2½x2	2½x2½	3x2½	3x3
Size Open (Inches) Narrow		2x1 9	2½x1½	-/2112/2	3x2	
Screw Holes ,		4	6	6	6	6
Size of Screws	5/8×5	3/4×6	3/4×6	1 40		
		.065				
Weight Approximated Per Dozen Pair, Pounds	11/4	21/2				
		25				
Gauge of Metal. Weight Approximated Per Dozen Pair, Pounds Dozen Pair in a Full Carton.	.050 1½	21/2	3/4×6 .065 3 ¹ / ₄ 20	3/4×6 .065 4 20	3/4×7 .074 5 12	3/4×7 .074 6½ 12

Steel Hinges for Blinds or Shutters



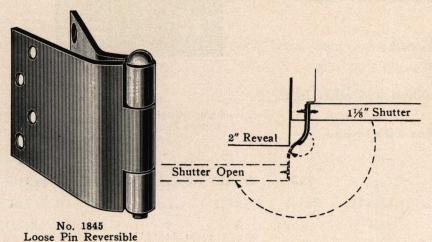
Wrought Steel Loose Joint

No. 1831-CP—Cadmium Plated

For Blinds 1½ inch and over. All Cadmium Plated Finish are furnished with brass pins. Specify Right or Left Hand. Packed 2 pair in a box with screws. Plain Steel without screws.

Size Open (Inches)	5
Joint	13/4
Width Between Flanges	33/8
Flanges	$2\frac{7}{16}x\frac{13}{16}$
Screws	6-1x9
Weight Approximated Per 100 Pair, Pounds	84

51/2	6	7	8
13/4	2	21/4	21/2
37/8	41/32	43/4	53/4
$2\frac{7}{16}x\frac{13}{16}$	27/8×1	37/8×11/8	35/8×11/8
6-1x9	6-1 ¹ / ₄ ×10	6-1 ¹ / ₄ x10	6-1 ¹ / ₄ x12
92	119	163	186



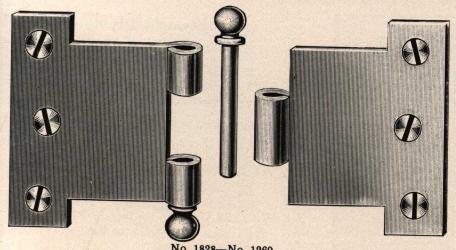
Wrought Steel Loose Pin

No. 1845-CP—Cadmium Plated

This hinge throws the Blind or Shutter parallel to the wall when open. The inner edge of the blind is carried clear of the opening. The regular offset is 3/4 inch. All Cadmium Plated Finish are furnished with brass pin. Packed 2 pair in a box with screws. Plain Steel without screws.

Size Open (Inches)	3x5	3x6	3x7	3x8
Gauge of Metal	.123	.123	.123	.123
Greatest Clearance, 11/8 inch Blind	3	4	5	6
Screws	8-1x9	8-1x9	8-1x9	8-1x9
Weight Approximated Per 100 Pair, Pounds	160	170	195	215

Standard Butt Hinges - Parliament



Wrought Steel

LOOSE BALL PINS

No. 1828—Bright Steel
(Without Screws)

No. 1828-CP—Cadmium Plated (With Screws)

No. 1260—Plated
(With Screws)

No. 1828—No. 1260 Loose Pin—Ball Pin

These Parliament Butts are used on Wood Doors requiring a wide Throw.

The Ball Tip Parliament Butt is made in 3 to 12 inch sizes.

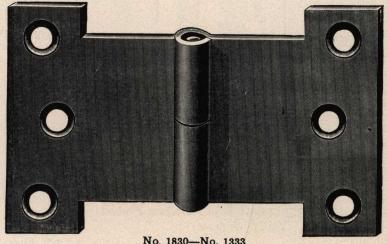
Wrought Steel LOOSE JOINT

No. 1830—Bright Steel
(Without Screws)

No. 1333—Galvanized with Brass Pins
(With Screws)

Loose Joint Parliament Butt is made Right or Left Hand

Please Specify Hand Wanted.



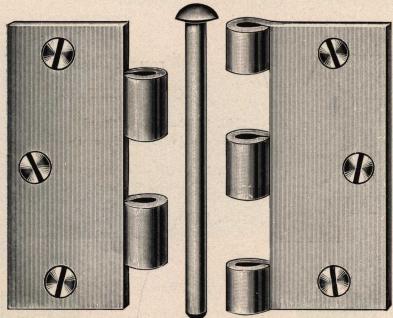
No. 1830—No. 1333 Loose Joint—Right or Left Hand

PACKING

 $4\frac{1}{2}$ inch and smaller packed one dozen pair in a box. 5 to 8 inch packed $\frac{1}{2}$ dozen pair in a box. 10 and 12 inch packed $\frac{1}{4}$ dozen pair in a box.

Width Size Open (Inches)	21/2	3	31/2	4	41/2	5	51/2	6	8	10	12
Joint	11/2	11/2	13/4	13/4	13/4	13/4	13/4	2	21/2	3	$3\frac{7}{16}$
Width Between Flanges	$1\frac{5}{32}$	15/8	$1\frac{15}{16}$	$2^{\frac{7}{16}}$	27/8	33/8	37/8	$4\frac{1}{32}$	53/4	71/2	9
Flanges	$2\tfrac{3}{16}x\tfrac{11}{16}$	$2\frac{3}{16}x\frac{11}{16}$	$2\frac{7}{16}x\frac{25}{32}$	$2\frac{7}{16}x\frac{25}{32}$	$2\frac{7}{16}x\frac{13}{16}$	$2_{\frac{7}{16}}x_{\frac{13}{16}}$	$2\frac{7}{16}x\frac{13}{16}$	27/8×1	37/8×11/8	4½x1¼	5x1½
Screw Holes	6	6	6	6	6	6	6	6	6	8	8
Size of Screws Weight Approx. Per	7/8×8	7/8×8	7/8×9	1x9	1x9	1x9	1x9	1½x10	1½x12	1½x12	1½x12
Doz. Pair, Lbs	4	5	61/2	71/2	9	10	15	11	30	46	68

Standard Butt Hinges - Broad Type



No. 1804—Bright Steel No. 1334—Galvanized, With Brass Pin Loose Oval Head Pin—Five Knuckles

Wrought Steel LOOSE OVAL HEAD PINS

No. 1804—Bright Steel
(Without Screws)

No. WS-1804—Bright Steel (With Screws)

No. WS-1804-CP—Cadmium Plated (With Screws)

No. WS-1804-CP-BP—Cadmium Plated, with Brass Pin (With Screws)

No. 1334—Hot Galvanized, with Brass Pin (With Screws)

Wrought Steel RIVETED FAST PIN

No. 1808—Bright Steel (Without Screws)

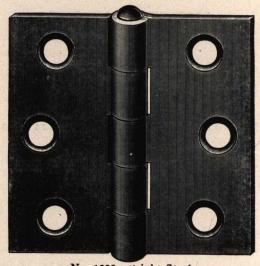
No. WS-1808—Bright Steel (With Screws)

No. WS-1808-CP—Cadmium Plated (With Screws)

No. WS-1808-CP-BP—Cadmium Plated with Brass Pin (With Screws)

No. 1319—Hot Galvanized with Brass Pin (With Screws)

For Latest Finishes and Template see page 44



No. 1808—Bright Steel No. 1319—Galvanized, With Brass Pin

Size Open (Inches)	2x2	21/2x2	21/2×21/2	3x21/2	3x3	31/2×3	31/2×31/	2 4x4	41/2×41/2	5x5	6x6	
Size and Number Screws	4-3/4x7	6-3/4x8	6-3/4 x 8	6-3/4x8	6-7/8×8	6-1x9	6-1x9	8-1x10	8-1 ¹ / ₄ x10	8-1 ¹ / ₄ x12	10-1½x12	
Gauge of Metal		.089	.089	.092	.092	.123	.123	.130	.134	.146	.160	
Dozen Pair, Pounds Dozen Pairs in Case 1804	3	4	5	7	71/2	11	12	16	22	31	48	
and 1808	50	50	50	25	25	15	15	12	8	8	5	
1334, WS-1808, 1319		150	150	100	100	50	50	50	20	25		
PACKING												

1804 and 1808 2 to 3 inch one dozen pair in a box without screws, $3\frac{1}{2}$ to 4 inch $\frac{1}{2}$ dozen pair, $4\frac{1}{2}$ to 5 inch $\frac{1}{4}$ dozen pair, 6x6 inch one pair, WS-1804, 1334, WS-1808, 1319, 1 pair in a box with screws.

Standard Butt Hinges - Light Weight

For use on Cabinets, Cupboards, etc.



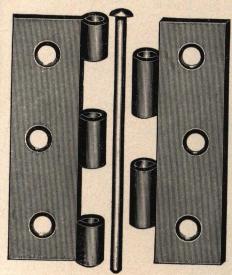
No. 1834 Light Weight-Broad Loose Oval Head Pin

Wrought Steel LIGHT BROAD LOOSE OVAL HEAD PIN

No. 1834 Bright Steel

Packed One Dozen Pair in a Box Without Screws

Size Open (Inches) 2x2	2½x2	2½x2½	3x2½	3x3	
Screws4-3/4x6	6-3/4×6	6-3/4×6	6-3/4×7	6-3/4×7	
Gauge Metal	.065	.065	.074	.074	
Pair, Pounds 21/2	3	31/4	5	6	
Dozen Pair in Full Carton 20	20	20	15	10	



Nos. 1840-1286

Wrought Steel

LIGHT NARROW LOOSE PIN

No. 1840-Bright Steel (Without Screws)

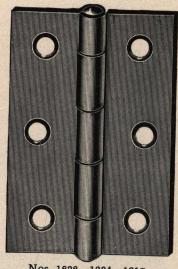
No. 1286-Plated and Japanned (With Screws)

LIGHT NARROW FAST RIVETED PIN

No. 1838-Bright Steel (Without Screws)

No. 1284—Plated and Japanned (With Screws)

No. 1317—Galvanized and Brass Pin (With Screws)



Nos. 1838-1284-1317

Size Joint											1201	-1017
(Inches) 3/4 Width Open	1	11/4	11/2	13/4	2	21/2	3	31/2	4	41/2	5	6
Inches	1	$1_{\overline{16}}$	13/8	$1_{\frac{7}{16}}$	$1\frac{9}{16}$	$1\frac{1}{16}$	2	21/4	27/8	3	$3\frac{3}{16}$	$3\frac{5}{16}$
Screws4-1/2x2	$4-\frac{1}{2}\times3$	4-5/8x4	$4-5/8\times5$	4-5/8x5	4-3/4×6	6-3/4×6	6-3/4×7	6-3/4×8	8-1x9	8-11/x10	8-11/10	Q_1T/11
dange metal	.050	.050	.050	.055	.065	.065					0-1/4X10	0-1-/4×11
Wgt. Approx. Per					.000	.000	.074	.077	.079	.080	.087	.098
Doz. Pair, Lbs. 1/4 Dozen Pair in	1/2	5/8	1	11/4	13/4	21/2	4	53/4	81/2	11	14	221/2
Full Carton 100	100	50	50	25	25	20	50	25				
	Nos 18	10 100						~0	•			140000

Nos. 1840, 1838, etc., 11/4 inch and Smaller have Three Knuckles.

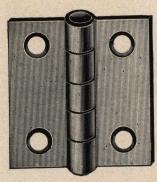
PACKING

BRIGHT STEEL, Nos. 1840, 1838—no screws—to 3 inch, One Dozen Pair Per Box. 31/2 to 41/2 inch One Half Dozen Pair to Box. 5 and 6 inch One Quarter Dozen Pair to Box.

PLATED, JAPANNED and GALVANIZED packed One Dozen Pair Per Box with Screws.

Nos. 1284, 1317, 1286 made only in sizes 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, and 3 inch.

Standard Butt Hinges - Narrow



Narrow Fast Riveted Pin No. 1800—Bright Steel No. 1315—Galvanized, With Brass Pin

Wrought Steel FAST RIVETED PINS

No. 1800—Bright Steel (Without Screws)

No. 1315—Galvanized Brass Pins (With Screws)

PACKING

BRIGHT STEEL No. 1800 without screws—One Dozen Pair to three inch—sizes 3½ to 4½ inch One Half Dozen—sizes 5 and 6 inch One Quarter Dozen—No. 1315 with screws made only in sizes 1½, 2, 2½, 3 inch,

One Dozen Pair in a box.

Size Joint (Inches)	1	11/4	11/2	13/4	2	21/2	3	31/2	4	41/2	5	6
Width Open	. 1	1	1	1	1	1	2	2	2	2	3	4
Screws	4-5/8x5	4-3/4×6	4-3/4×6	4-3/4×6	4-3/4×7	6-3/4x7	6-3/4x8	6-1x9	8-1x9	$8-1\frac{1}{4}\times10$	8-1 ¹ / ₄ x11	8-1 ¹ / ₄ x12
Gauge Metal	063	.065	.068	.073	.074	.075	.079	.087	.102	.102	.113	.115
Weight Approx. Per Doz. Pair, Pounds	. 5/8	1	11/4	13/4	21/8	31/8	43/8	71/8	10	121/2	16½	24
Dozen Pair in a Carton	. 100	100	50	50	25	20	25	25		1.		

No. 1800 11/4 inch and smaller have three knuckles.



No. 1802 Narrow Bright Steel—Left Hand Loose Joint—Right or Left Hand Specify Hand

Wrought Steel

No. 1802—Narrow Loose Joint, (Without Screws)

PACKING

BRIGHT STEEL sizes 2, $2\frac{1}{2}$, 3 inch One Dozen Pair in a box. Sizes $3\frac{1}{2}$ to 4 inch One Half Dozen Pair in a box.

Size Joint (Inches)	2	21/2	3	31/2	4
Width Open	1	1	2	2	2
Screws	4-3/4×7	6-3/4x7	6-3/4x8	6-1x9	6-1x9
Gauge Metal	.074	.075	.079	.087	.089
Weight Approximated Per Dozen Pair, Pounds	21/8	31/8	41/2	71/8	91/2

Standard Butt Hinges Extra Heavy - Full Surface

Wrought Steel

For use on Steel Shutters, etc.

Flat Back to fit on a flat surface

Blank-No Holes



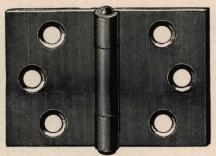
No. 1850 Blank—Five Knuckles—Fast Riveted Pins—Flat Back

Size Open (Inches)	2x2	2½x2½	3x3	3½x3	3½x3½	4x3	4x4	4½x4½	5x5	6x6	
Gauge of Metal	.107	.119	.130	.146	.146	.160	.160	.170	.180	.203	
Weight Approximated Per Dozen Pair, Pounds	41/2	8	12	16	17	22	25	31	36	52	

Packing: 4x4 inches and smaller, one-quarter dozen pairs in a box, larger sizes, one-twelfth dozen pairs.

Also packed in bulk

For Use On Cupboards, Etc.



No. 1842 Light—Fast Riveted Pin.

Wrought Steel FAST PIN LIGHT WEIGHT

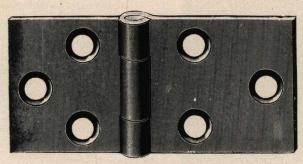
No. 1842-Bright Steel (Without Screws)

Packed One Dozen Pair in a Box without Screws.

Size, Length of Joint (Inches)	1	11/8	11/4	11/2
Width Open	15/8	13/4	17/8	21/8
Screws	5/8x4	5/8×5	5/8×5	5/8×5
Weight Approx. Per Doz. Pair, Pounds	5/8	7/8	1	13/8

Wrought Steel Table Hinge

Fast Flush Riveted Pin



No. 1810. Fast Flush Riveted Pin.

	\hookrightarrow	
	\mathcal{A}	

No. 1819 Fast Flush Riveted Pin 3 Screw Holes in Long Leaf Near End



No. 2819 Fast Flush Riveted Pin 2 Screw Holes in Each Leaf

No. 1810-Bright Steel (Without Screws)

Packed One Dozen Pair in a Box.

Size,						
Lgth. of Joint (In.)	1	11/8	11/4	11/2	13/4	2
Width, Long Leaf	11/2	$1\frac{9}{16}$	15/8	13/4	13/4	2
Width, Short Leaf	11/8	$1\frac{3}{16}$	11/4	13/8	13/8	15/8
Screws	$6-3/4\times6$	6-3/4x7	6-3/4×7	6-3/4x8	6-1x9	6-1x9
Gauge of Metal	.068	.068	.075	.080	.082	.082
Weight Approx. Per						
Doz. Pair, Lbs	11/2	15/8	2	21/2	3	41/4

Wrought Steel Table Hinges Fast Flush Riveted Pin

No. 1819-Long Leaf Screw Holes Bunched at End.

Made only in 1-11/8-11/4 inch

Sizes, Measurements, etc., same as No. 1810.

Wrought Steel Table Hinges Fast Flush Riveted Pin

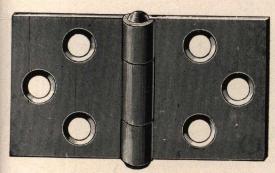
No. 2819

(2 Staggered Screw Holes in Each Leaf.)

Made only in 1-11/8-11/4 inch.

Sizes, Measurements, etc., same as No. 1810.

Standard Butt Hinges - Fast Riveted Pin



No. 1816 Fast Riveted Pin—Back Flaps

Size Length Joint (Inches)
Width Open
Screws
Gauge Metal.
Weight Approximated Per Dozen Pair, Pounds.

Wrought Steel Back Flaps

No. 1816—Bright Steel
Without Screws (Swaged)

No. 1816½—Bright Steel
Without Screws (Not Swaged Flap Back)

No. 1313—Galvanized Brass Pin With Screws (Not Swaged)

Packed one dozen Pair in a Box.

1 2 6-3/4×6 .075	$egin{array}{c} 1^{\frac{7}{4}} & & \\ 2^{\frac{5}{16}} & & \\ 6^{-3} & 4 & \mathbf{x} 6 & \\ .075 & & & \end{array}$	1½ 2¾ 6-¾x8 .075	1 ³ / ₄ 2 ³ / ₁₆ 6- ³ / ₄ x8 .077	2 3 ¹ / ₁₆ 6-3/4×8 .077
11/4	13/4	21/4	31/4	41/4

Wrought Steel Back Flaps

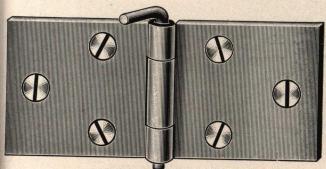
FAST RIVETED PIN

No. 1814—Bright Steel
Without Screws (Swaged)

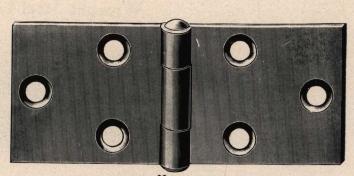
No. 1814½—Bright Steel
Without Screws (Not Swaged)

Packed One Dozen Pair in a Box.

Size Length Joint (Inches) Width Open Screws Gauge Metal Weight Approximated Per One Dozen Pair,	23/ ₄ 4-3/ ₄ x6 .075	1 27/ ₈ 6-3/ ₄ ×6 .075	1½8 3 6-3¼x6 .075	1 ¹ / ₄ 3 ¹ / ₄ 6-3/ ₄ ×7 .075	$ \begin{array}{c} 1\frac{7}{2} \\ 3\frac{7}{16} \\ 6-3\sqrt{4} \times 8 \\ .075 \end{array} $	1 ³ / ₄ 4 6- ³ / ₄ ×8 .077	2 4 ³ / ₈ 6- ³ / ₄ x8 .077
Pounds	11/4	11/2	17/8	21/4	23/4	37/8	47/8



No. 1813 Loose Bent Pin—Back Flaps



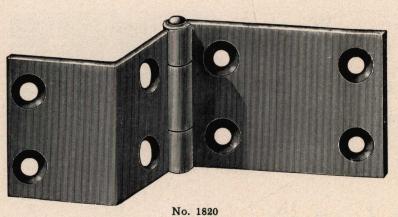
No. 1814 Fast Riveted Pin—Back Flap

Wro	ught Steel	Back I	Flaps
	LOOSE BEN	T PIN	

No. 1813—Bright Steel
Without Screws (Not Swaged)

Packed One Dozen Pair in a Box.

Made only in sizes $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, and 2 inch Measurements, etc., the same as No. 1814.



Fast Riveted Pin Heavy Chest Hinge.

Wrought Steel Heavy Chest Hinges

No. 1820—Bright Steel
(Without Screws)

Size, Length of Wood	11/2	2
Bent for Wood	1/2, 5/8, 3/4	7/8
Screws	8-3/4x7	8-3/4x7
Weight Approximated Per Dozen Pair, Pounds	31/2	61/4

Packed One Dozen Pair in a Box.

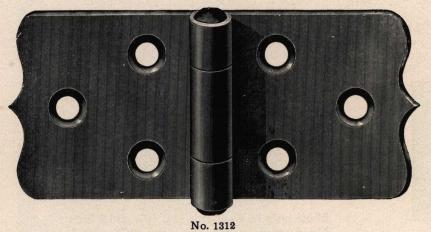
Wrought Steel Light Chest Hinges



No. 1821 Fast Riveted Pin Light Chest Hinges.

No. 1821-Bright Steel (Without Screws) No. 1821-B Brass Plated, Bright No. 1821-C-Copper Plated, Bright Size, Length of Joint..... 11/2 Bend 15 Edge to Bend..... 13/8 Straight Leaf 21/4 Screws 6-3/4x7 21/4 Weight Approx. Per Doz. Pair, Lbs....

Packed in Bulk, and One Dozen Pair in a Box.



Fast Pin Riveted Pin Tub Hinge-Galvanized Brass Pin.

Wrought Steel Tub Hinges

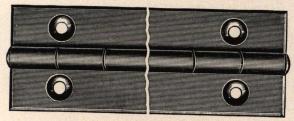
No. 1312—Galvanized Brass Pins
(With Screws)

(With Screws)		
Size, Length of Joint . 1½	13/4	2
Width Open 23/4	31/8	41/8
Screws6-3/4x8	6-3/4x8	63/4×8
Weight Approx. Per		
Dozen Pair, Pounds. 25/8	31/2	6

Packed One Dozen Pair in a Box with Screws.

Continuous Hinges

Wrought Steel and Wrought Brass



No. 2300 Continuous Hinges.

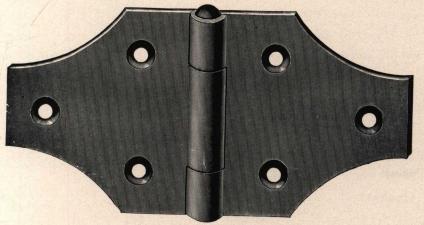
No. 2300

Size and Length Made Up on Specification.

Packed in Bulk without Screws.

End Gate Hinges

Wrought Steel

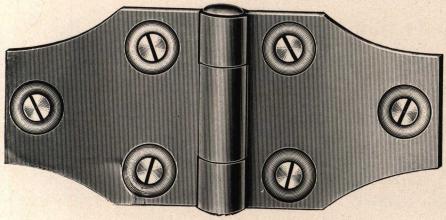


No. 1971 End Gate Hinges—Fast Riveted Pin.

No. 1971

Size Open (Inches)	5
Joint Length	
Gauge of Metal	
Screws	
Weight Approx., Per Doz. Pair, Pounds	

Packed One Dozen Pair in a Box without Screws.

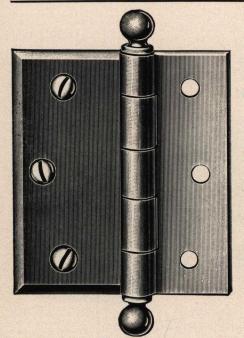


No. 1969 End Gate Hinges—Fast Riveted Pin.

No. 1969

Size Open (Inches)	5
Joint Length	21/2
Gauge of Metal	.083
Screws	6-1×10
Weight Approx. Per Pair, Pounds	

Packed One Dozen Pair in a Box without Screws.



Half Surface Butt Hinges

STANDARD WEIGHT WITHOUT OFFSET

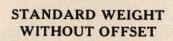
No. 1196

For Standard Weight Cabinet Doors. Ball Tip Loose Pin

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws Packed $2\frac{1}{2}$ inches— $\frac{1}{2}$ Dozen Pair in a Box with screws

Size Joint (Inches)	2	21/2
Screws		6-3/4×6
Gauge Metal	.065	.065
Weight Approximated Per Dozen Pair, Pounds	21/4	3



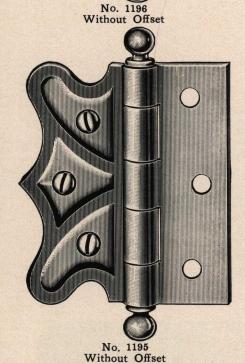
No. 1195

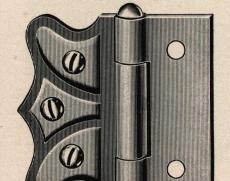
For Standard Weight Cabinet Doors. Ball Tip Loose Pin

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws Packed $2\frac{1}{2}$ inches— $\frac{1}{2}$ Dozen Pair in a Box with screws

Size Joint (Inches)	2	21/2
Screws		6-3/4×6
Gauge Metal	.065	.065
Weight Approximated Per Dozen Pair, Pounds	21/4	3





No. 1274 Half Surface—Without Offset

STANDARD WEIGHT WITHOUT OFFSET

No. 1274

For Standard Weight Cabinet Doors. Reversible Loose Pins

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws Packed 2½ inches—½ Dozen Pair in a Box with screws

Size Joint (Inches)	11/2	2
Screws		5-3/4×6
Gauge Metal	.065	.065
Weight Approximated Per Dozen Pair, Pounds	13/4	21/4



No. 1169 Full Surface Beveled Edge

Full Surface Steel Butt Hinges Light

Edges Beveled — Loose Pins
Without Offset — Flat Back
For Cabinets
Wrought Steel and Plated

No. 1169

Full Surface

Size Open

11/2x11/2 Inches

2x2 Inches

No. 1033

Full Surface

Size Open 1½x1½ Inches

2x2 Inches

21/2x21/2 Inches



No. 1033 Full Surface Beveled Edge



No. 1170 Half Surface Without Offset

Half Surface Steel Butt Hinges - Light

Without Offset — Loose Pin
For Cabinets
Wrought Steel Plated

No. 1170

Half Surface

Size Joint

11/2 Inches

2 Inches

No. 10331/4

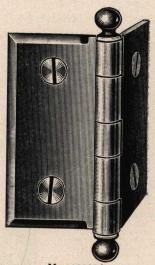
Half Surface

Size Joint

1½ Inches

2 Inches

2½ Inches



No. 1033¹/₄ Half Surface Without Offset



No. 1171 Half Surface With Offset

Half Surface Steel Butt Hinges - Light

With Offset - Loose Pin

No. 1171

Half Surface

Size Joint

1½ Inches

2 Inches

No. 10333/4

Half Surface

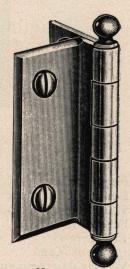
Size Joint

11/2 Inches

2 Inches

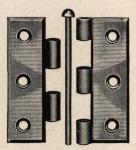
21/2 Inches

All Numbers Packed 1 Dozen Pair in a Box, with Screws



No. 10333/4 Half Surface With Offset

Light Cabinet Hinges



No. 1051

Wrought Steel Plated

FOR FLUSH DOORS

Loose Pins—Flat Back Beveled Edges

Size Joint (Inches)	2	21/2
Screws	4-3/4×6	6-3/4×6
Weight Approximated Per Dozen		
Pair, Pounds	21/8	25/8

Packed 1 dozen pair in a box with screws.



No. 1050

Wrought Steel Plated

FOR FLUSH DOORS

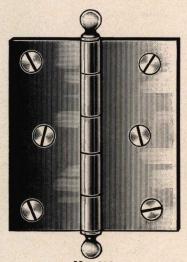
Fast Riveted Pins Beveled Edges

Size Joint (Inches)	2	21/2
Screws	4-3/4×6	6-3/4x6
Weight Approximated Per Dozen	/4	74
Pair, Pounds	21/8	25/8

Packed 1 dozen pair in a box with screws.

Wrought Steel Loose Pin Butt Hinges

Extra Light



No. 892 Extra Light—Loose Ball Pins.

No. 892

For Light Cabinet Doors

Ball Tip Loose Pin

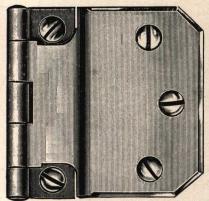
Packed One Dozen Pair in a Box with Screws.

A very light Butt made for small light cabinet doors.

Size (Inches) Length Joint, Inches Width Open, Inches	2x13/4 2 13/4	2x2 2 2	2½x2 2½ 2	2 ¹ / ₂ x2 ¹ / ₂ 2 ¹ / ₂ 2 ¹ / ₂	2½x3½ 2½ 3½	3x3 3 3
Screw Holes	4	4	6	6	6	6
Size Screws	5/8×5	3/4×6	3/4×6	3/4×6	3/4×6	3/4×6
Gauge of Metal	.050	.050	.050	.050	.050	.050
Weight Approximated Per Dozen Pair, Pounds	13/4	2	21/2	31/2	4	51/2
Dozen Pair in Full Carton	25	25	20	20	20	12

Cabinet Surface Hinges

For Lipped Doors and Flush Doors



No. 1001 For Lipped Doors— Offset 3% inch—Joint 2 inches. No. 1001 WROUGHT STEEL PLATED

FOR LIPPED DOORS

Offset 3/8 inch
Fast Riveted Pins
Joint 2 inches
Screws 5-5/8x5 Oval Head

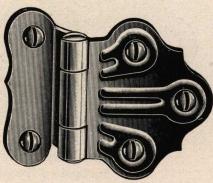
Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz. Pair 23/4 Pounds No. 1005 WROUGHT STEEL PLATED FOR LIPPED DOORS

Offset 3% inch
Fast Riveted Pins
Joint 1½ inches
Screws 5-5%x5
Oval Head
Packed 1 Dozen

Packed I Dozen
Pair in a box
with screws.

Weight Approx. Per Doz. Pair 13/4 Pounds.



No. 1005 For Lipped Doors— Offset 3/8 inch—Joint 11/4 inches.

No. 1003

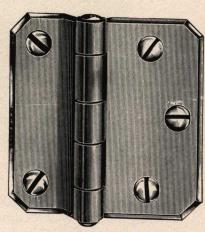
WROUGHT STEEL PLATED

FOR LIPPED DOORS

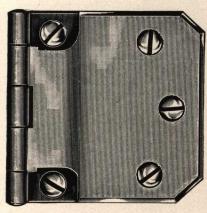
Offset 3/8 inch
Fast Riveted Pins
Joint 2 inches
Screws 5-5/8x5 Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz. Pair 23/4 Pounds.



No. 1003 For Lipped Doors— Offset 3/8 inch—Joint 2 inches.



No. 1002
For Flush Doors—
Joint 2 inches.

No. 1002

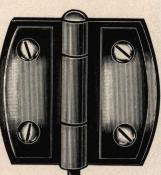
WROUGHT STEEL PLATED

FOR FLUSH DOORS

Fast Riveted Pins Joint 2 inches Screws 5-5/8x5 Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz. Pair 23/4 Pounds.



No. 1116
For Flush Doors—
Joint 1½ inches.

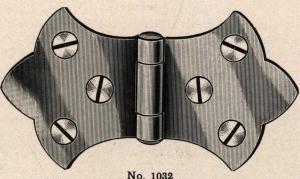
No. 1116
WROUGHT STEEL
PLATED

FOR FLUSH DOORS

Loose Pins Joint 1½ inches Width Open 1¾ inches Screws 4-5/8x5 Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz. Pair 1½ Pounds



No. 1032
For Flush Doors—Joint 1 inch.

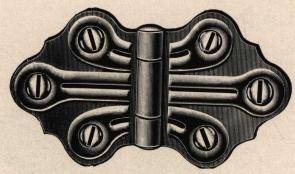
No. 1032

WROUGHT STEEL PLATED FOR FLUSH DOORS

Fast Riveted Pins

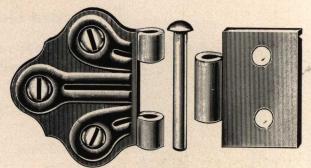
Joint, Inches13/4Width Open, Inches $3\frac{1}{16}$ $2\frac{3}{16}$ Screws, Flathead6-5/8x56-5/8x4Weight, Approx. Per Doz. Pair, Lbs.13/47/8Packed 1 dozen pair in a box with Screws.

Ornamental Butt Hinges



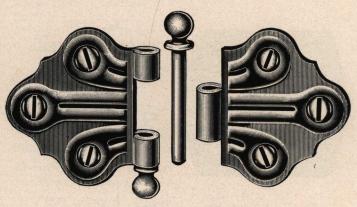
Wrought Steel—No. 1024 Wrought Brass—No. 1531 Full Surface—Riveted Pin

Joint 1¹/₄ inches, Width Open 27/₈ inches. Screws 6-5/₈x5 Oval Head. Approximated Weight 2 Pounds Per Dozen Pair.



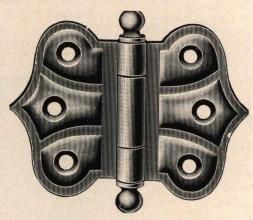
No. 1115 Wrought Steel—Loose Pin— Half Surface

Joint 1¹/₄ inches, Width Open 2⁵/₁₆ inches. Screws 3-5/8x5 Oval Head, 2-5/8x5 Flat Head. Approximated Weight 2 Pounds Per Dozen Pair.



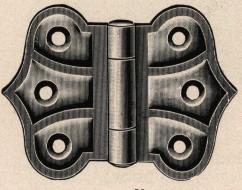
No. 919
Wrought Steel—Loose Pin—
Full Surface

Joint 1¹/₄ inches, Width Open 27/₈ inches. Screws 6-5/₈x5 Oval Head. Approximated Weight 2 Pounds Per Dozen Pair.



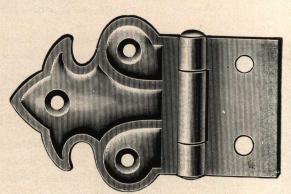
No. 911
Wrought Steel—Loose Pin—
Full Surface

Joint 1½ inches, Width Open 2½ inches. Screws 6-5/8x5 Oval Head. Approximated Weight 2 Pounds Per Dozen Pair.



For Cabinets, etc.
All numbers on this
page packed One
Dozen Pair in a Box
with Screws.

Full Shipping Carton 20 Dozen Pair.



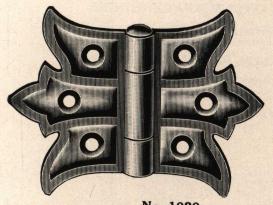
No. 912
Wrought Steel—Riveted Pins—
Half Surface

Joint 1½ inches, Width Open 2¾ inches. Screws 3-5/8x5 Oval Head, 2-5/8x5 Flat Head. Approximated Weight 2 Pounds Per Dozen Pair.

No. 1000 Wrought Steel—Riveted Pins— Full Surface

Joint 1½ inches, Width Open 2½ inches. Screws 6-5/8x5 Oval Head. Approximated Weight 2 Pounds Per Dozen Pair.

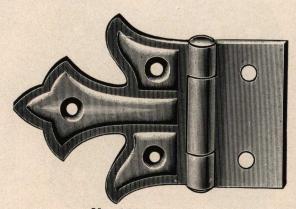
Ornamental Butt Hinges



FOR CABINET DOORS

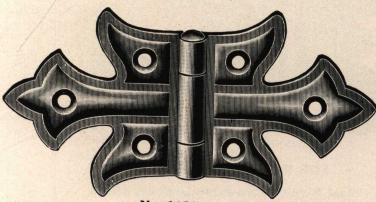
All numbers
packed one dozen
pair in a box with
screws.

Full shipping carton 20
Dozen Pair.

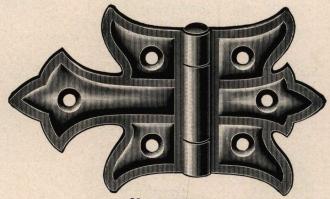


No. 1020
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 25% inches.
Screws 6-5%x5 Oval Head.
Approximated Weight, 2 Pounds Per Dozen Pair.

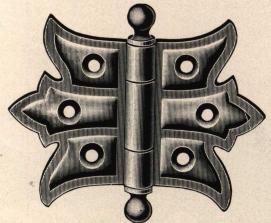
No. 1023
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 21/8 inches.
Screws 3-5/8x5 Oval Head, 2-5/8x5 Flat Head.
Approximated Weight, 2 Pounds Per Dozen Pair.



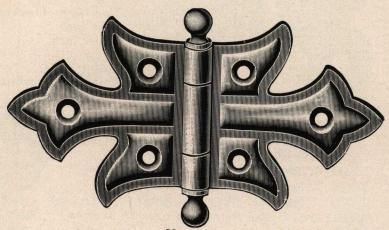
No. 1021
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 4 inches.
Screws 6-5/8x5 Oval Head.
Approximated Weight, 2 Pounds Per Dozen Pair.



No. 1022
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 33% inches.
Screws 6-5%x5 Oval Head.
Approximated Weight, 2 Pounds Per Dozen Pair.



No. 913
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 25/8 inches.
Screws 6-5/8x5 Oval Head.
Approximated Weight, 2 Pounds Per Dozen Pair.



No. 914
Wrought Steel—Full Surface—Riveted Pin
Joint 1½ inches, Width Open 4 inches.
Screws 6-5/8x5 Oval Head.
Approximated Weight, 2 Pounds Per Dozen Pair.

Hinges for Refrigerator Doors



Flat Back—No Offset

FOR REFRIGERATOR DOORS
Fast Riveted Pins—Flat Back

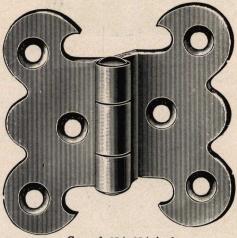
No. 1034 Wrought Steel No. 1036 Wrought Brass Packed One Dozen Pair in a Box

 with Screws

 Size Open (Inches)
 6½

 Joint Inch
 134

 Screws
 200



Cut of 2½x2½ inch No. 1016 Offset ½ Inch

FOR REFRIGERATOR DOORS
Fast Riveted Pins—One Leaf—7 Offset

No. 1035 Wrought Steel No. 1037 Wrought Brass

ws
1/4
3/4
x8
7
1

REFRIGERATOR SURFACE HINGES

Fast Riveted Pins-Flat Back

No. 1014 Wrought Steel No. 1015 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches)	13/4×11/4	21/2x21/2	3x3
Joint Inch	7/8	1	13/4
Screws	5/8×5	3/4×7	3/4×8
Gauge Metal	.077	.089	.101
Weight Approximated Per Dozen Pair,		.000	.101
Pounds	15/8	33/4	6



FOR REFRIGERATOR DOORS

Fast Riveted Pins—One Leaf—7 Offset

No. 1016 Wrought Steel No. 1017 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches)	13/x13/	21/x21/	3x3
Joint Inch	7/8	$1\frac{5}{16}$	13/4
Offset, inch	7 16	7 16	7 16
Screws	5/8×5	3/4×7	3/4×8
Gauge Metal	.077	089	.101
Weight Approximated Per Dozen Pair,		.000	.101
Pounds	15/8	33/4	6



Cupboard Turns

WROUGHT STEEL-Small



No. 1430

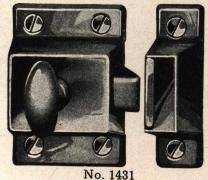
No. 1430

All Plated Finishes Cadmium Plated-CP

Packed 1 Dozen Per Box With Screws.

Weight Per Gross, 151/2 Pounds.

WROUGHT STEEL_Large



No. 1431

All Plated Finishes Cadmium Plated-CP

Packed 1 Dozen
Per Box With
Screws.

Weight Per Gross, 19 Pounds.

Cabinet Sets

1 Pair Ornamental Hinges 1 only Cupboard Turn

Specify Style Number on Ornamental Hinges and Cupboard Turn.

Packed complete 1 set in a Box With Screws. Weight Per Dozen Sets, 3½ Pounds.

Friction Catch



Wrought Steel

No. 1432

All Plated Finishes Cadmium Plated-CP

Packed 3 Dozen Pair Per Box With Screws.

Weight Per Gross, 51/2 Pounds.

Screen Door Check



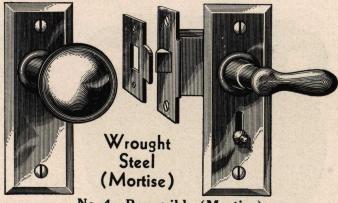
SPRING TENSION ADJUSTMEN
No. 6-DB

DULL BRASS FINISH
Packed 1 Complete Check in a Box with Screws.

Weight Per Dozen, 16 Pounds. 1 Dozen in a Case.

No. 6—Brass Metal Tube—Oil Tempered Spring—
Spring Tension Adjustment—No tools required to remove check on taking doors down. Easy to operate and install.

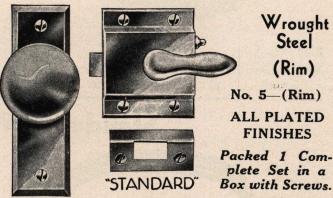
Screen Door Latch Sets



No. 4—Reversible (Mortise)
ALL PLATED FINISHES

Packed 1 Complete Set in a Box with Screws.

Weight Per Dozen Sets, 8 Pounds. Full Case, 2 Dozen Sets.

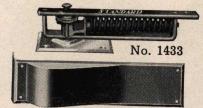


Weight Per Dozen, 6 Pounds. Full Case, 2 Dozen Sets.



Ball Bearing Double Acting Floor Hinge

WROUGHT STEEL



No. 1433
All Plated Finishes
For 1½ to 1¾ inch
Doors
Beveled Edge
Reversible Side
Plate 9½x2¾ inches.
Floor Plate 4x3 in.

Packed 1 set in a Box With Screws.

25 Sets in a Case.

Holds the Door Open at 95 Degrees. Weight Per Hinge, 2½ Pounds.

Wrought Steel Push Plate

No. 1434

All Plated Finishes. Beveled Edges

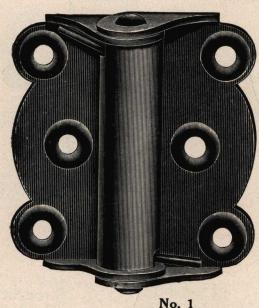
Size 3x10 inches.

Packed ½ Dozen in a Box With Screws.

Weight Per Dozen, 4 Pounds.



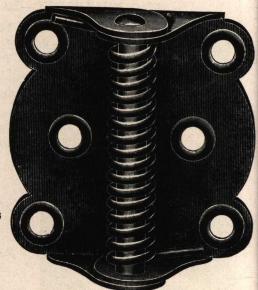
Screen Door Hardware



Standard

Wrought Steel **Riveted Pins** Special Heavy Springs For Use on Screen Doors or on Small Light Doors

Packed 6 Pair in a Paper Box J-Japanned-Without Screws CP-Cadmium-Without Screws Plated-With Screws 1/2 Gross Pair in a Full Carton



No. 2

Size Open......3x21/2 Screws6-3/4x8 Weight Per Gross Pair, Gross Pair in a Full

Pounds100

Size Open.......3x21/2 Weight Per Gross Pair, Pounds80

Screws6-3/4x8 Gross Pair in a Full Carton $\frac{1}{2}$

Standard Wrought Steel Sets



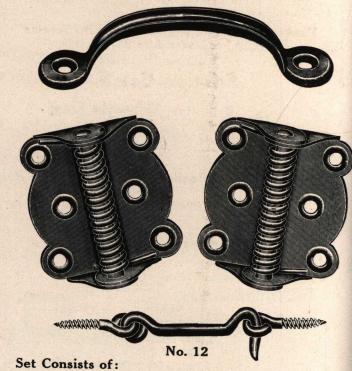
Set Consists of:

1 Pair of No. 1 Hinges

1 Handle

1-21/2 inch Gate Hook and Eye 1/2 Gross Sets in a Full Carton. Weight of Full Carton 68 Pounds. Packed 1 Set in a box with Screws.

Finishes: Japanned, Plated, Cadmium Plated.

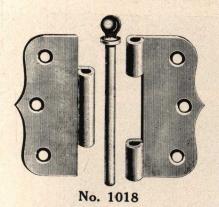


1 Pair of No. 2 Hinges

1 Handle

1-21/2 inch Gate Hook and Eye 1/2 Gross Sets in a Full Carton. Weight of Full Carton 50 Pounds. Packed 1 Set in a box with Screws.

Screen Hardware



Loose Pins

For use on Screen Doors or other Light Weight Doors



No. 1518

WROUGHT STEEL

Full Surface

Size Open (Inches)	2½x2½	3x3
Screws	3/4×8	3/4×8
Gauge	.082	.092
Dozen Pair in a paper box	1	1
Weight Per Dozen Pair, Pounds	51/2	71/2

One-Half Dozen Pairs in a box, with wood Screws.

WROUGHT BRASS Full Mortise, Loose Pin

Size Open, (Inches)	21/2x21/2	3x3	31/2×31/2	4x4
Screws	6-3/4x7	6-3/4×8	6-1×8	8-1x9
Gauge	.087	.092	.101	.107
Weight per 100 Pair				
Pounds	. 60	80	120	165

Packed 1 pair in a box with Screws, except $2\frac{1}{2}x2\frac{1}{2}$ 3 pair.

Wrought Steel Screen Door Sets

No. 2750

A Set Consists of:

- 1 Pair of 3x3 No. 1018 Full Surface Hinges
- 1 Door Pull
- 1 21/2 inch Wire Gate Hook and Eye
- 1 No. 3 Perfection Door Spring Screws included.



No. 2752

A Set Consists of:

- 1 Pair of 2½x2½ No. 1018 Full Surface Hinges
- 1 Door Pull
- 1 21/2 inch Wire Gate Hook and Eye
- 1 No. 2 Perfection Door Spring Screws included.

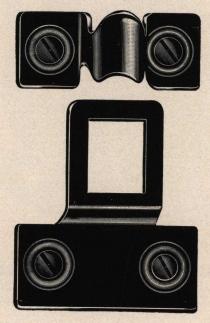
Finishes—JAPANNED—CADMIUM PLATED

Packed one set complete in a kraft paper box with screws.

One-half gross sets in a shipping carton. No. 2750 Full carton weighs 73 Pounds. No. 2752 Full carton weighs 57 Pounds.

Screen and Storm Hangers

For Full Length Screens



No. 20

Can be used for Flush Frames or Offset by reversing Hook. Full carton 2 gross sets, 57 pounds.

Screen Hangers

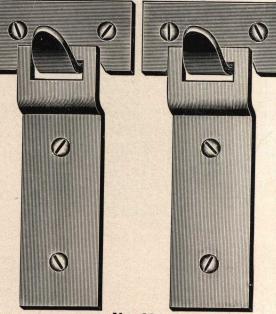
Packed 1 dozen sets in a paper carton with screws.

2 gross sets in a full shipping carton.

Finishes—
JAPANNED-J
and CADMIUM
PLATED-CP.

A set is 2 complete Hangers with screws.

For Full Length Screens



No. 23
Offsets are ½ inch and ¾ inch and Offset wanted must be specified.
Full carton 2 gross sets, 67 pounds.

Storm Sash Hanger (Heavy)

For Full Length Sash.

Packed one dozen sets in a paper carton with screws.

2 Gross sets in a full shipping carton.

Finishes—JAPANNED-J and CADMIUM PLATED-CP.

Full Carton
2 Gross Sets, 80 Pounds.



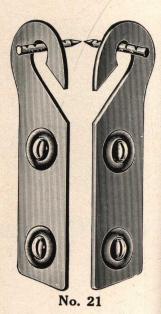
For Half Length Screens

Screen Hanger for Half Length Screens. Packed 1 dozen sets in a paper carton with screws and dowel pins complete.

2 Gross Sets in a full Shipping Carton.

Finishes—JAPANNED-J and CADMIUM PLATED-CP

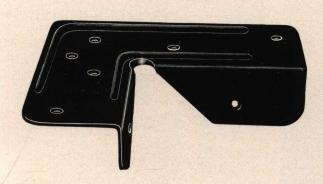
Full carton
2 Gross Sets, 40 Pounds.



A 1½ Hook and Eye can be included in all sets on this page at small additional cost.

No. 3 Wrought Steel Screen Corner Braces

Re-inforced by Fabricating





No. 3 WROUGHT STEEL SCREEN CORNER BRACES

These screen corner braces have been designed especially for both screens and screen doors. They are formed so that anyone can apply them to the frames making a very strong and rigid frame.

The re-inforcing by fabricating strengthens the corner brace so that it is next to impossible to bend or get the corner brace out of alignment.

A set consists of four corner braces.

Packed one set of four corner braces complete on a display card.

One dozen sets in a box.

Finishes—JAPANNED-J—CADMIUM PLATED-CP

No. 3, one set on display card without screws.

No. WS-3, one set in a box with $\frac{1}{2}$ in. No. 6 wood screws.

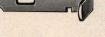
Packed for shipment 6 dozen sets in a carton.

Weight shipping carton No. 3, 6 dozen sets without screws 43 pounds.

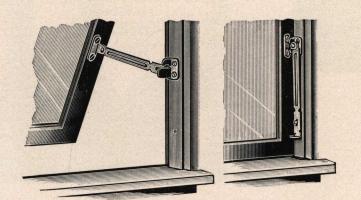
Weight shipping carton No. WS-3, 6 dozen sets with $\frac{1}{2}$ in. No. 6 screws 45 pounds.

Wrought Steel Storm Sash Fasteners





No. 24



Sash Opened.

Sash closed and fastened.

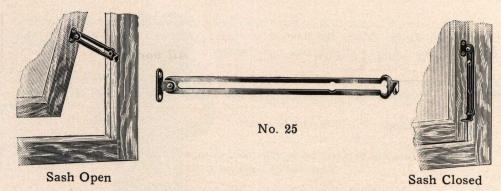
No. 24-J Japanned

No. 24-CP—Cadmium Plated

Packed One Dozen Sets in a Box with Screws.

2 Complete Fasteners to a Set.

Size Length (Inches)	10
Size of Screws	3/4×6
Weight Per Gross Sets, Lbs.	68



Reversible can be used either right or left side

No. 25-J-Japanned

No. 25-CP—Cadmium Plated

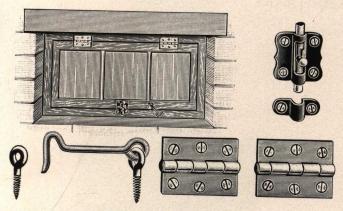
Packed One Dozen Sets in a Box with Screws.

2 Complete fasteners to a set.

Size Length (Inches)	10
Size of Screws	3/4×6
Weight Per Gross Sets. Pounds	65

Steel Cellar Window Sets

Japanned - J and Cadmium Plated - CP Finishes



Nos. 2759-2760

No. 2759 Consists of the Following:

1 Pair 21/2 inch Steel Butts

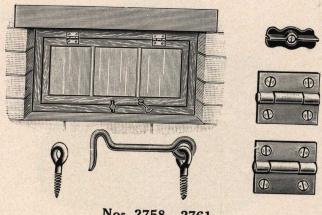
1-21/2 inch Gate Hook and Eye

1-21/2 inch Bolt and Screws

No. 2760—Same as above except with 2 Bolts.

No. 2754—Same as No. 2760 except 3 inch Steel Butts.

All packed 1 set in a package with screws. 12 sets in a paper box.



Nos. 2758-2761

No. 2758 Consists of the Following:

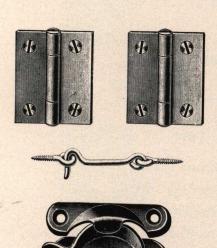
1 Pair 2 inch Steel Butts

1-21/2 inch Gate Hook and Eye

1-13/4 inch Door Button and Screws

No. 2761-Same as No. 2758 except with two Door Buttons instead of one.

> All packed 1 set in a package with screws. 12 sets in a paper box.



Nos. 2756-2757

No. 2756 Consists of the Following:

1 Pair 21/2 inch Steel Butts

1-21/2 inch Gate Hook and Eye

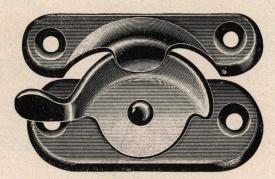
1 Sash Lock and Screws

No. 2757—Same as No. 2756 except with 2 inch Steel Butts instead of 21/2 inch.

> All packed 1 set in a package with screws. 12 sets in a paper box.

Wrought Steel Window Hardware

Wrought Steel Sash Locks All Plated Finishes



No. 1485

No. 1485—With Friction Bearing Action.

CP—Cadmium Plated

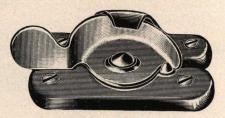
This Sash Lock is made of cold rolled steel, with friction bearing action, so that the pivot part is held in either locked or unlocked position.

This lock will pull the windows together very tight and will positively not get out of order.

MADE IN ALL FINISHES.

Packed One Dozen in a Box with Screws finished to match, 2 gross in a Carton.

Weight per gross, 21 Pounds.



No. 1487

No. 1487—With Spring Action.

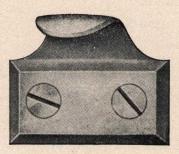
CP—Cadmium Plated

This Sash Lock is made of cold rolled steel with spring action so pivot part is held either in locked or unlocked position.

Packed 1 Dozen in a Box with Screws.

Weight per gross, 21 Pounds.

Wrought Steel Hook Sash Lift All Plated Finishes



No. 1486

No. 1486

CP_Cadmium Plated

Width of plate 15/8 inches.

Packed 3 Dozen Per Box with Screws.

Full carton 60 dozen.

Weight per dozen, 3/5 Pound.

Wrought Steel, Sash Pulleys

Wrought Steel, Sash Pulleys, Cone Bearing

Cadmium Plated



No. 1105 2 inch wheel, $1\frac{1}{16}x2\frac{1}{16}$ inch face. Full Barrel 100 dozen, weight 172 pounds.



No. 1109 2 inch wheel, $1\frac{1}{16}x2\frac{13}{16}$ inch face. Full Barrel 100 dozen, weight 185 pounds.



No. 1110
2 inch wheel, 1x3 inch face.
Full Barrel 100 dozen, weight 184 pounds.



No. 1175 2 inch wheel, $1\frac{1}{16}x2\frac{1}{6}$ inch face. Full Barrel 100 dozen, weight 180 pounds.

Wrought Steel, Sash Pulleys, Ball Bearing

Cadmium Plated



No. BB-1105 2 inch wheel, $1\frac{1}{16}x2\frac{1}{16}$ inch face. Full Barrel 100 dozen, weight 200 pounds.



No. BB-1109 2 inch wheel, $1\frac{1}{16}x2\frac{13}{16}$ inch face. Full Barrel 100 dozen, weight 213 pounds.



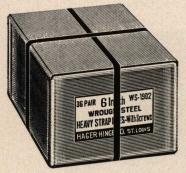
No. BB-1110 2 inch wheel, 1x3 inch face Full Barrel 100 dozen, weight 212 pounds.



No. BB-1175 2 inch wheel, $1\frac{1}{16}x2\frac{1}{16}$ inch face. Full Barrel 100 dozen, weight 208 pounds.

Strap and T Hinges and Hinge Hasps

In Boxes with Screws



Shipping Carton

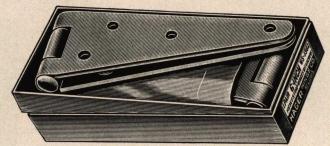
Small shipping cartons containing
HAGER HINGES
packed in wire stitched boxes with screws.

SELL ORIGINAL PACKAGES EASIER HANDLED

Less Warehouse Space. Less shipping weight.
MORE PROFIT. STANDARD WEIGHTS.



Shipping Carton



Packed One Pair Hinges in a Box, with Screws

Contents of Full Shipping Cartons.

	Boxed, with Screws, Size, Inches	3	4	5	6	8	10	12
No. WS-1900	Light Strap Hinges Average weight per carton, Pounds	100 33	100 40	50 48	50 52	50 60	25 55	25 Pairs 85
No. WS-1902	Heavy Strap Hinges Average weight per carton, Pounds		50 38	50 46	36 64	25 76	10 60	10 Pairs 80
No. WS-1904	Light T Hinges Average weight per carton, Pounds	100 30	100 34	50 28	50 45	50 50	50 73	30 Pairs 65
No. WS-1906	Heavy T Hinges Average weight per carton, Pounds		50 30	50 45	50 52	50 61	35 70	25 Pairs 73
No. WS-1908	Extra Heavy T Hinges Average weight per carton, Pounds		50 42	50 75	24 52	15 55	10 55	10 Pairs 88
	Boxed, with Screws. Size (Inches)	3	41/2		6	8	10	12
No. WS-1912	Hinge Hasps	200 60	100 30		50 37	50 32	50 60	50 Single
No. WS-1915	Safety Hasps	200 65	100 36		50 40			Single
	Hinges Packed, with Nails, Inches				6	8	10	12
No. WN-1902 No. WN-1908	Heavy Strap Extra Heavy T	••			36 24	25 15	10 10	10

An easy and convenient way of handling Hinges. The correct number, size and length of screws are wrapped in paper packages and packed with the Hinges in a pasteboard box.

For full information on above items see description on pages immediately following.

Wrought Steel Strap Hinges

Standard

Light Strap Hinges



Wrought Steel
Light Strap Hinges
No. 1900—Plain Steel
No. 1900-J—Japanned

No. 1900-CP—Cadmium Plated

No. 1300—Galvanized, with Steel Pin No. 1300¹/₄—Galvanized, with Brass Pin

Size (Length Each Leaf) Inches	2	3	4	5	6	8	10	12
Length Open Overall	4	6	8	10	12	16	20	24
Width of Joint	1	$1\frac{3}{32}$	136	111	1-9	17/8	232	23/4
Size of Screw	5/8×5	3/4×6	3/4×7	1x8	1x9	1x10	1½x10	11/4×12
Number of Screw Holes	6	6	6	8	8	8	8	8
Average Weight Per Dozen Pairs, Pounds	13/8	23/8	4	6	9	15	22	38
Carton Packing no screws, Dozen Pair in Box	1	1	1	1/2	1/2	1/2	1/12	1/12
Dozen Pairs in a Shipping Carton	25	25	20	10	6	3	3	2
Barrels, Dozen Pair Full Barrels	300	225	200	100	65	40	30	20

Heavy Strap Hinges



Wrought Steel
Heavy Strap Hinges
No. 1902—Plain Steel

No. 1902-J-Japanned

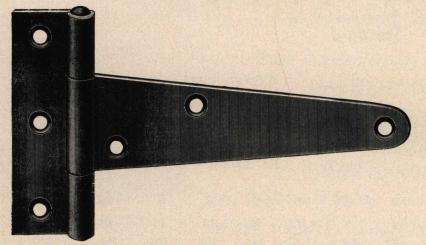
No. 1902-CP—Cadmium Plated

No. 1302—Galvanized, with Steel Pin No. 1302¹/₄—Galvanized, with Brass Pin

Size (Length Each Leaf) Inches..... 6 10 12 14 16 Length Open Overall..... 10 12 16 20 24 28 32 Width of Joint..... 1 18 13/4 25/8 33 311 4 9 43/4 43/4 Size of Screw..... 1x9 1x10 11/4×11 11/4×12 11/2×14 11/2×14 11/2×14 11/2×14 Number of Screw Holes..... 8 8 8 8 10 10 Average Weight Per Dozen Pairs, Pounds... 91/2 19 34 55 88 120 140 Carton Packing no screws, Dozen Pair in Box 1/4 1/2 1/4 1/12 1/12 Dozen Pairs in a Shipping Carton..... 5 4 2 1 1 Barrels, Dozen Pair Full Barrels..... 40 20 11 5 4

Packing Information on Hinges boxed with Screws on Page 72

Wrought Steel T Hinges - Standard



Light T Hinges

WROUGHT STEEL LIGHT T HINGES

No. 1904-Plain Steel

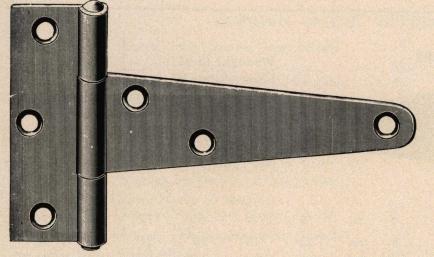
No. 1904-J-Japanned

No. 1904-CP-Cadmium Plated

No. 1303—Galvanized, with Steel Pin

No. 13031/4—Galvanized, with Brass Pin

Size (Length of Strap) Inches	2	3	4	5	6	8	10	12	14	16
Length of Joint	2	23/8	25/8	3	31/4	4	41/2	43/4	6	6
Width of Pad	1/2	3/4	3/4	7/8	7/8		11/4	11/2	21/4	21/4
Width of Strap at Joint	7/8	1	116	1 3	11/4	17	1 9	115	215	2 ₁₅
Size of Screw	5/8×5	3/4×6	3/4×7	1x8	1x8			11/x11	11/2×12	11/2×12
Number of Screw Holes	6	6	6	7	7	7	8	8	-/2	-/24-8
Average Weight Per Dozen Pair, Pounds	11/2	23/4	31/2	47/8	61/4	93/8	14	201/2	33	38
Carton packing no screws, Doz. Pair in a box	1	1	1	1/2	1/2	1/2	1/12	1/12		
Dozen Pair in full shipping carton	25	25	15	10	10	5	3	2		
Dozen Pair in full barrel	300	200	150	100	50	40	30	20	15	15



Heavy T Hinges

WROUGHT STEEL HEAVY T HINGES

No. 1906-Plain Steel

No. 1906-J-Japanned

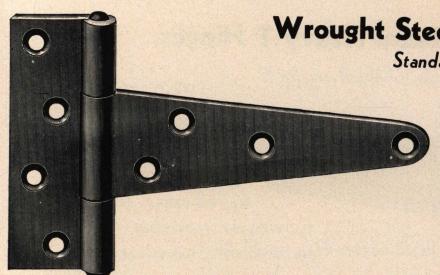
No. 1906-CP—Cadmium Plated

No. 1304 Galvanized, with Steel Pin

No. 13041/4—Galvanized, with Brass Pin

4	5	6	8	10	12	14	16	18
27/8	31/4	31/2	37/8	41/2	51/2	6		6
7/8					2	21/4		21/4
					21/4	THE RESERVE TO SERVE THE PARTY OF THE PARTY		316
1x8	1x8	1x9	1x10	11/4×11	11/4×12	Of the Assessment Street Contract	TO A CONTRACT OF STREET AND ADDRESS OF THE PARTY.	11/2×14
6	7	7	7	8	9	11	11	11
41/2	75/8	9	12	20	33	43	48	54
1/2	1/2	1/2	1/2	1/12	1/12			
15	10	6	5	3	2			
75	60	50	40	30	15	10	10	5
	7/8 1-5/16 1x8 6 41/2 1/2 15	27/8 3 ¹ / ₄ 7/8 1 ¹ / ₈ 1/ ₅ 13/ ₈ 1x8 1x8 6 7 4 ¹ / ₂ 75/ ₈ 1/ ₂ 1/ ₂ 15 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Packing Information on Hinges boxed with Screws on Page 72



Wrought Steel T Hinges

Standard

Extra Heavy T Hinges

WROUGHT STEEL EXTRA HEAVY T HINGES

No. 1908-Plain Steel

No. 1908-J-Japanned

No. 1908-CP—Cadmium Plated

No. 1306-Galvanized, with Steel Pin

No. 13061/4—Galvanized, with Brass Pin

Size (Length of Strap) Inches Length of Joint Width of Pad.	3½ 1¼	1 9	6 4½ 13/4	8 5½ 2½	10 7 2 ¹ / ₄	12 73/ ₄ 23/ ₄	14 73/ ₄ 23/ ₄	16 7 ³ / ₄ 2 ³ / ₄	18 73/ ₄ 23/ ₄	
Width of Strap at Joint	15/8	21/8	23/8	27/8	33/4	416	416	43	41/4	
Size of Screw	1x9	1x10	11/4×11	11/2×12	11/2×14	11/2×14	11/2×14	11/2×14	11/2×14	
Number of Screw Holes	6	6	8	9	9	10	10	11	11	
Average Weight Per Dozen Pair	73/4	131/2	211/4	37	58	78	82	88	102	
Carton Packing no screws										
Dozen Pair in a Box	1/2	1/2	1/4	1/4	1/12	1/12				
Dozen Pair in full shipping carton	10	5	4	2	1	1	gently grad			
Dozen Pair in full barrel	55	40	25	12	8	5	5	5	5	



WROUGHT STEEL, REVERSED PAD EXTRA HEAVY T HINGES, RIVETED PINS

1 Pair in a box with screws

No. WS-19631/2-Plain Steel

No. WS-19631/2-J_Japanned

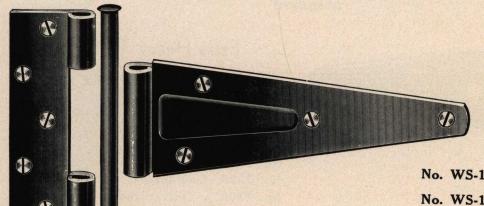
No. WS-13631/2-G-Galvanized, with Steel Pins

No. WS-13631/2-BP-Galvanized, with Brass Pins

Size (Length of Strap) Inches	8	10	12	14	16
Length of Joint	51/2	7	73/4	73/4	73/4
Width of Pad	21/8	21/4	23/4	23/4	23/4
Width of Strap at Joint	27/8	33/4	416	41/6	$4\frac{3}{16}$
Size of Screw	1½x12	11/2×14	1½x14	1½x14	1½x14
Number of Screws	9	9	10	10	11
Pairs in a box With Screws	1	1	1	1	1
Average Weight Per Pair, Pounds	31/2	5	7	71/2	8

Packing Information on Hinges boxed with Screws on Page 72

Loose Pin Extra Heavy T Hinges



WROUGHT STEEL SEXTRA HEAVY T HINGES LOOSE PIN

1 Pair in a box with screws

No. WS-1950-Plain Steel

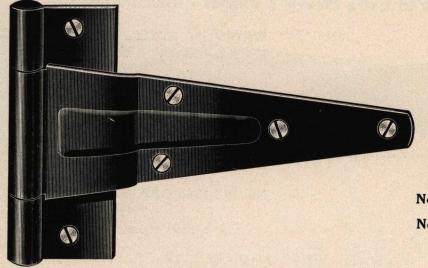
No. WS-1950-J-Japanned

No. WS-1350—Galvanized, with Steel Pin

No. WS-13501/4—Galvanized, with Brass Pin

Size (Length of Strap) Inches	8	10	12	14	16
Length of Joint	51/2	7	73/4	73/4	73/4
Width of Pad		21/4	23/4	23/4	23/4
Width of Strap at Joint	27/8	33/4	416	416	41
Size of Screw	1½x12	1½x14	1½x14	1½x14	1½x14
Number of Screws	9	9	10	10	11
Pairs in a box With Screws	1	1	1	1	1
Average Weight Per Pair, Pounds.	31/2	5	7	71/2	8

Offset Extra Heavy T Hinges



WROUGHT STEEL
OFFSET EXTRA HEAVY T HINGES
RIVETED PINS

1 Pair in a box with screws

No. WS-1951-Plain Steel

No. WS-1951-J-Japanned

No. WS-1351—Galvanized, with Steel Pin

No. WS-13511/4—Galvanized, with Brass Pin

Size (Length of Strap) Inches	10	18
Length of Joint	7	73/4
Width of Pad	21/4	41/4
Width of Strap at Joint	33/4	$4\frac{1}{16}$
Size of Screw	1½x14	1½x14
Number of Screws	9	10
Pairs in a box With Screws	1	1
Average Weight Per Pair, Pounds	5	81/2

Link Hinges

Wrought Steel for Boxes



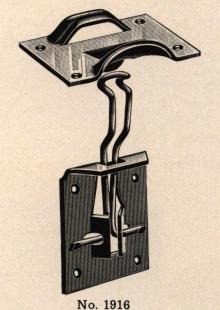
No. 1917—Bright Steel		
No. 1917-CP-Cadmium Plated		
Size—Inches,		
Length of each Strap	23/4	4
Length of Joint	3/4	11/2
Width of Joint	3/4	7/8
Packed in Bulk		

No. 1918—Bright Steel

Link Hinge - Wrought Steel for Boxes



No. 1918-CP—Cadmium Plated Size—Inches,
Length of each Strap $3\frac{1}{2}$ $4\frac{1}{2}$ Length of Joint....... $3\frac{1}{4}$ $3\frac{1}{4}$ Width of Joint....... $3\frac{3}{4}$ $3\frac{3}{4}$ Packed in bulk.
300 Pair Hinges in a Carton



Box Lock

Wrought Steel Box Lock for Bottle Boxes

No. 1916—Bright Steel

No. 1916-CP-Cadmium Plated

Packed in bulk, parts separately.

600 Top Parts in a carton.

600 Spring Steel Bottom Parts in a carton.

Link Hinge - Wrought Steel Strap-Cast Link for Trap Doors

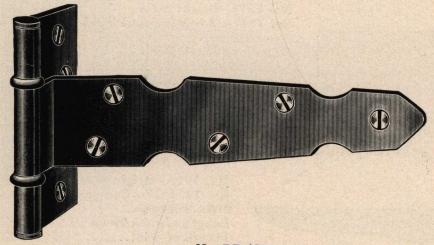


No. 1924

Packed in Bulk

Garage Hinges - Ball Bearing - Wrought Steel

With 116-inch Offset - Riveted Pins



No. BB-1991-J_Japanned

No. BB-1991-CP-K—Cadmium Plated and Dead Black Finish

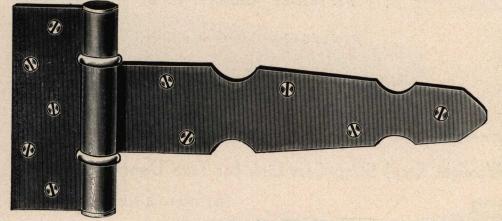
All sizes 2 Ball Bearings-Riveted Pins.

Packed 1 Pair with Screws in Shipping Carton

No. BB-1991

Size (Length of Strap) Inches	12	18	24	36
Size of T part, inches	7x23/4	7x23/4	7x23/4	8x4
Average Weight Per Pair, Pounds	10	12	15	19

Flat Back - No Offset - Riveted Pins Also made with Reversed Pad



No. BB-1992-J-Japanned

No. BB-1992-CP-K—Cadmium Plated and Dead Black Finish

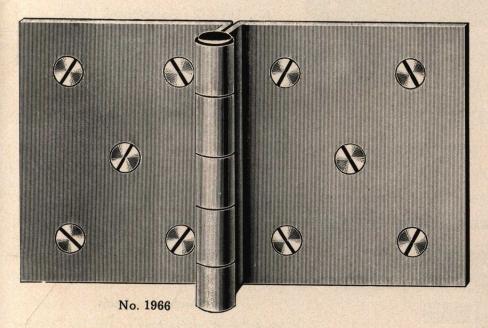
All sizes 2 Ball Bearings— Riveted Pins.

Packed 1 Pair with Screws in Shipping Carton.

No. BB-1992

Size (Length of Strap) Inches	12	18	24	36
Size of T part, inches	7x23/4	7x23/4	7x23/4	8x4
Average Weight Per Pair, Pounds	10	12	15	19

Hinges for Garage Doors



Offset Surface Hinge With 1½ Inch Offset WROUGHT STEEL

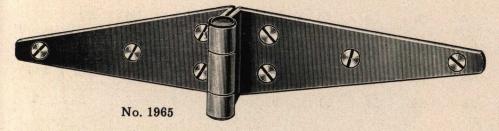
Riveted Pins

No. 1966-J_Japanned

Size Open (Inches) $4x3\frac{1}{2}$ 4x4 4x6 $4\frac{1}{2}x9$ Size of 11/4×10 11/4×10 11/4×10 11/4×10 Screw Wgt. Per Pair, Lbs. 2 21/4 23/4 4 Gauge of Metal .130 .130 .134 .134

Packed One Pair Per Box with Screws.

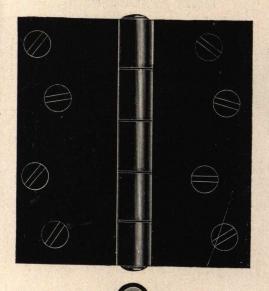
Offset Surface Strap Hinge



WROUGHT STEEL Riveted Pins

No. 1965-J-Japanned

Size Open (Inches) 14 17½
Size of Joint....... 3 $\frac{3}{16}$ 3¾
Weight Per Pair, Lbs. 3 4½
Packed One Pair Per Box with
Screws.



No. 1734

No Offset Surface Hinge

WROUGHT STEEL

Riveted Pins, Flat Back

No. 1734-J-Japanned

Size Open (Inches)	4x4	4x6	4½x4½	4½x9
Size of Screws	1x10	1½x10	1½x10	1½x10
Weight Per Pair, Pounds	15/8	31/8	2	37/8
Gauge of Metal	.130	.130	.134	.134

Packed 1 pair per box with screws.

Screw Hook and Strap Hinges - Wrought Steel



No. 1973-G Galvanized

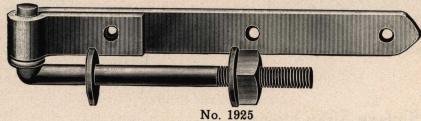
No. 1973-Plain Steel

Packed in bulk.

No. 1973

Size Length of Strap (Inches)	6 1/2×4 for 3/16	8 5/8×5 3 for 5/16	10 5/8×5 3 for 5/16	12 5/8×5 3 for 5/16	14 ³ / ₄ x6 3 for ³ / ₈	16 3/4×6 3 for 3/8	18 3/4×6 4 for 3/8	20 3/4×6 4 for 3/8	22 3/4×6 4 for 3/8	24 7/8×8 4 for 1/2	30 7/8×8 4 for 1/2	36 7/8×8 4 for 1/2
Dozen Pairs, Pounds Dozen Pair in full	19	33	36	40	72	76	95	96	100	180	276	300
barrel	40	27	25	24	13	12	9	8	6	3	2	2

Bolt Hook and Strap Hinges - Wrought Steel

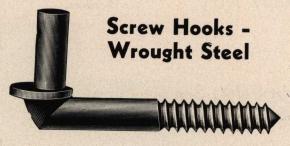


No. 1925-Plain Steel No. 1925-G-Galvanized

Packed in bulk.

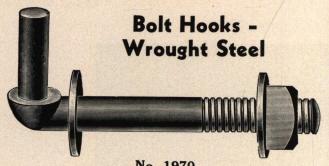
Hook has 2 projections to prevent Washer from moving toward hinge joint.

Size Length of Strap (Inches)	6 ½x6 for $\frac{3}{16}$	8 ⁵ / ₈ x8 3 for ⁵ / ₁₆ 3	10 5/8×8 3 for 5/16	12 5/8x8 3 for 5/16	14 3/4×10 3 for 3/8	16 3/4×10 3 for 3/8	18 ³ / ₄ x10 4 for ³ / ₈	20 3/4×10 4 for 3/8	22 3/4×10 4 for 3/8	24 7/8×10 4 for 1/2	30 7/8×10 4 for 1/2	36 7/8×10 4 for ½
Dozen Pair, Pounds Dozen Pair in full	24	48	54	56	96	102	114	120	132	258	324	355
barrel	40	27	25	24	13	12	9	8	6	3	2	2



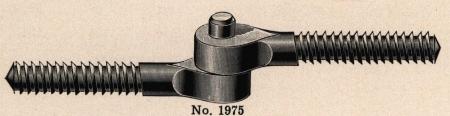
No. 1974

Size (Inches)	1/2×4	5/8 x 5	3/4 x6	7/8x8
For Hinges, size	6	8-10-12	14 to 22	24 to 36
Dozen Weight, Pounds	5	8	12	24



No. 1970

Size (Inches)	1/2×6	5/8x8	3/4×10	7/8×10
For Hinges, size				
Dozen Weight, Pounds	7	13	24	55



Screw Hook and Eye Hinges - Wrought Steel

No. 1975

Size (Inches)	1/2	5/8	3/4
Dozen Pair, Po	unds 12	24	42

Plate Hinges

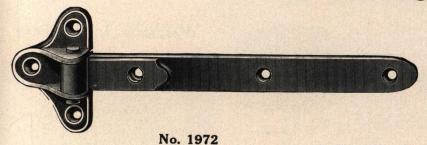


PLATE HINGES—FAST JOINT
STRAP IS MADE OF WROUGHT STEEL

1/4 INCH THICKNESS
PLATE OR BUTT PART IS CAST

No. 1972-J-Japanned

Size (Length of Strap) Inches	6	8	10	12	14	16	18	20	22	24	30	36
Size of Screw in Strap	No. 10	No. 10	No. 11	No. 11	No. 13	No. 13	No. 15					
Size of Bolt in Strap					13/8	13/8	13/8	13/8	13/8	13/8	13/8	13/8
Number of Screws	3	3	3	3	2	2	3	3	3	3	4	4
Size of Screw in Plate No. 12 No. 13 No. 14 No. 14 No. 15 No. 15 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18												
Number of Screws	3	3	3	3	3	3	4	4	4	4	4	4
Pairs, Pounds		19	28	30	45	50	72	84	90	96	120	145

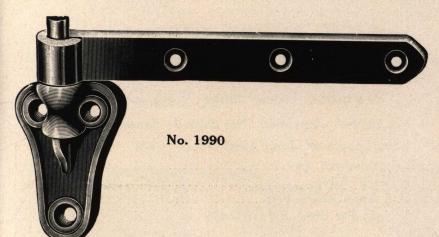


PLATE HINGES—LOOSE JOINT STRAP IS MADE OF WROUGHT STEEL 1/4 INCH THICKNESS PLATE OR BUTT PART IS CAST

No. 1990-J-Japanned

Size (Length of Strap) Inches	6	8	10	12	14	16	18	20	22	24	30	36
Size of Screw in Strap Number of Screw Holes in	No. 12	No. 1	2 No. 19	2 No. 14	No. 1	4 No. 14	No. 15					
Strap *	3	3	3	3	4	4	4	4	4	4	4	4
Size of Screw in Plate Number of Screw Holes in	No. 14	No. 10	6 No. 16	No. 16	No. 1	8 No. 18	No. 18	No. 20				
Plate	3	3	3	3	3	3	3	3	3	3	3	3
Pairs, Pounds	20	36	40	43	58	63	70	96	102	108	126	150

Trunk Hinges

Wrought Steel Trunk Hinges



No. 2550-6-inch

No. 2550-Bright Steel No. 2550-J-Japanned No. 2550-B-Brass Plated

Size, inches, Length overall 6 inches, Joint 17 inch. Packed in bulk keg 5 gross pair—weight 140 Pounds.

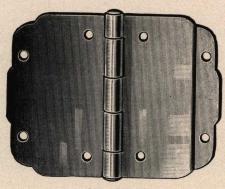
Wrought Steel Trunk Hinges



No. 2550-7-inch

No. 2550-Bright Steel No. 2550-J-Japanned No. 2550-B-Brass Plated

Size, inches, Length overall 7 inches, Joint 19/16 inch. Packed in bulk keg 5 gross pair—weight 250 Pounds.



No. 2575



No. 2580

Wardrobe Trunk Hinge With Stop

and Offset

No. 2580-J-Japanned No. 2580-B-	Bright	Brass
Size, Length of Joint (Inches)	33/8	3
Length overall open	41/2	37/8
Holes for Rivets	8	8
Full Barrel Gross Pair	21/2	21/2
Weight Per Gross Pair, Pounds	144	108



Wardrobe Trunk Hinge
Without Offset

No. 2576

No. 2576-J_Japanned No. 2576-B_	Brass	Plated
Size, Length of Joint (Inches)	33/8	3
Length overall open	41/2	37/8
Holes for Rivets	8	8
Full Barrel Gross Pair	21/2	21/2
Weight Per Gross Pair, Pounds	126	90

Wardrobe Trunk Hinge With Offset

No. 2575-J—Japanned No. 2575-B—Brass Plated Size, Length of Joint (Inches) $3\frac{3}{8}$ 3 Length overall open $4\frac{1}{2}$ $3\frac{7}{8}$ Holes for Rivets 8 8 Full Barrel Gross Pair $2\frac{1}{2}$ $2\frac{1}{2}$ Weight Per Gross Pair, Pounds 126 90

Wrought Steel Trunk Hinges

No. 2830-Plain Steel



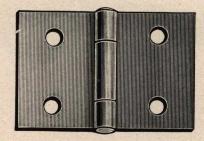
No. 2830

Suit Case Hinges

Wrought Steel



No. 2835-Bright Steel No. 2835-J-Japanned No. 2835-B-Brass Plated



No. 2835

Size, Length of Joint (Inches) Width Open Gross Pair, Full Keg Weight Full Keg, Pounds	15/8 25	Size, Length of Joint (Inches) Width Open Gross Pair, Full Keg Weight Full Keg, Pounds	1 ¹⁵ / ₁₆ 15
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No. 2833-Bright Steel No. 2833-J-Japanned No. 2833-B Brass Plated

No. 2833

Size, Length of Joint (Inches)	1
Width Open	154
Gross Pair, Full Keg	25
Weight Full Keg. Pounds	170



No. 2834

No. 2834-**Bright Steel** No. 2834-J-Japanned No. 2834-B_ **Brass Plated**

Size, Length of Joint (Inches)..... 1 Width Open 15/8 Gross Pair, Full Keg..... 25 Weight Full Keg, Pounds.....



No. 2831—Bright Steel No. 2831-J-Japanned No. 2831-B-Brass Plated

No. 2831-With Stop

Size, Length of Joint (Inches)	1
Width Open	15%
Gross Pair, Full Keg	25
Weight Full Keg, Pounds	173



No. 2836—Bright Steel No. 2836-J-Japanned No. 2836-B-Brass Plated

No. 2836

Size, Length of Joint (Inches)	1
Width Open	15/6
Gross Pair, Full Keg	25
Weight Full Keg, Pounds	176

All Suit Case Hinges Packed in Bulk.

Hinge Hasps

Wrought Steel - Riveted Pins



No. 1912—Bright Steel

No. 1912-J-Japanned

No. 1912-CP—Cadmium Plated

No. 1308—Galvanized, with Steel Pin

No. 13081/4—Galvanized, with Brass Pin

Size, Length of Strap (Inches). Length of Hasp Part with Slot	3	4½ 3¼	6	8 4½	10	12
Length of Joint	11/8	11/8	1.9	17/	5 ₇	0
Size of Staple Plate	11/211/		$\frac{1_{\frac{9}{16}}}{2 \times 1_{\frac{1}{4}}}$	17/8	$2\frac{1}{16}$	23/4
Number of Screw Holes	7	1½x1½ 8	2X11/4	$2\frac{1}{16} \times 1\frac{1}{2}$	23/4×21/6	$23/4 \times 2\frac{1}{16}$
Size of Screw	3/446	3/4×6	1x9	1x10	8	8
Weight Per Dozen, Pounds	9				1½x10	1½x12
Carton Packing, no Screws, Dozen in Box		25/8	51/8	81/2	141/2	191/2
Dogon in Chinning Contain		1	1	1/2	1/2	1/2
Dozen in Shipping Carton	25	25	10	5	3	9
Barrel, Dozen in Full Barrel	225	150	100	50	30	20
					-00	20

Hinge Hasp with Swivel Padlock Staple Wrought Steel - Riveted Pins



No. 1914

Size, Length of Strap (Inches)	3
Length of Hasp Part with Slot	3
Length of Joint	11/8
Size of Staple Plate	11/2×11/8
Number of Screw Holes	7
Size of Screw	3/4×6
Weight Per Dozen, Pounds	23/8
Carton Packing, no Screws, Dozen in Box	798
Dozen in Shipping Carton	25
Barrel, Dozen in Full Barrel	205

No. 1914-Plain Steel

No. 1914-J—Japanned

No. 1914-CP—Cadmium Plated

41/2	6	8 /
31/4	4	41/4
11/8	1_{16}^{9}	17/8
1½x1½	2x11/4	216x11/2
8	8	8
³ / ₄ x6	1x9	1x10
3	55/8	81/2
1	1	5
25	10	5
150	100	50

Hinge Hasp with Seal Lock Staple Wrought Steel - Riveted Pins



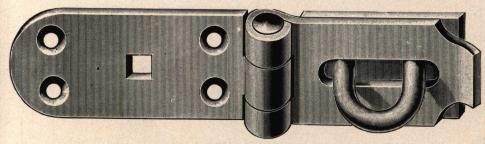
No. 1919

No. 1919—Plain Steel No. 1919-J—Japanned

No. 1919-CP-Cadmium Plated

Size—Length of Strap, Inches	3
Length of Hasp Part with Slot	3
Length of Joint	11/8
Number of Screw Holes	7
Size of Screw	3/4×6
Weight Per Dozen, Pounds	23/8
Barrel, Dozen in Full Barrel	200

Extra Heavy Hinge Hasps



No. 1941

Size Open, Length Overall (Inches)	73/4	9
Length of Hasp Part with Slot	31/2	4
Length of Hinge Part with Bolt Hole	416	5
Length of Joint	13/4	21/8
Size of Staple Plate	21/2×13/4	23/4×21/8
Number of Screw Holes	8	8
Size of Screw	11/4×11	1½x12
Weight Per Dozen With Screws, Pounds	121/2	19
Weight Per Dozen Without Screws, Pounds	111/2	18
Dozen in a Box	1/2	1/4

Wrought Steel Riveted Pins

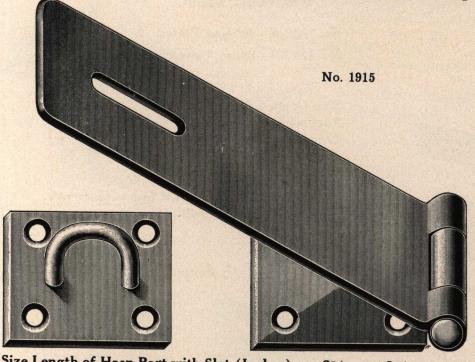
No. 1941—Bright Steel No. 1941-J—Japanned

No. 1941-CP—Cadmium Plated

No. 1941-G—Galvanized, with Brass Pin

10	12
. 4	5
6	7
21/8	21/8
23/4×21/8	23/4×21/8
8	10
1½x12	1½x12
201/2	231/2
191/2	221/2
1/4	1/4

Safety Hinge Hasps



Wrought Steel Riveted Pins

No. 1915-Bright Steel

No. 1915-J-Japanned

No. 1915-CP-Cadmium Plated

No. 1915-G—Galvanized, with Brass Pin

No. 1915-B Brass Plated

Bright Steel without screws.

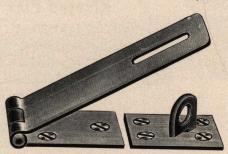
Other finishes with screws.

For 1 only with Screws, Packing see WS-1915. Page 72.

Size Length of Hasp Part with Slot (Inches) Length of Hinge Part Length of Joint Size of Staple Plate Number of Screw Holes Size of Screw Weight Per Dozen with Screws, Pounds	1 1½8×1 7 3/4×6 15%	3½ 1½ 1½ 1½ 15/8×13/8 7 3/4×7 3½	4½ 2¼ 15% 15%×13% 7 7%×7 43%	6 3 17/8 21/8×1 ¹ / ₁₆ 9 1×9	7 3½ 2½ 2½ 2½x1¾ 9 1¼x11	8 3½ 2½ 2½ 2½x13¼ 9 1¼x11
Weight Per Dozen with Screws, Pounds		31/2	43/4	91/4	18	24
Weight Per Dozen without Screws, Pounds	13/8	3	4	8	15	21
Dozen in a Box	1	1	1	1	1/4	1/4
Dozen in a Full Carton	25	25	12	10	5	3

Hinge Hasps

Safety Hinge Hasp with Swivel Padlock Staples



No. 1920

WROUGHT STEEL

No. 1920—Bright Steel

No. 1920-J—Japanned No. 1920-CP—Cadmium Plated

No. 1920-G Galvanized, With Brass Pin

 Size, Length of Hasp Part

 with s'ot (Inches)
 $3\frac{1}{2}$ $4\frac{1}{2}$ 6

 Length of Hinge Part
 $1\frac{5}{16}$ $2\frac{1}{4}$ 3

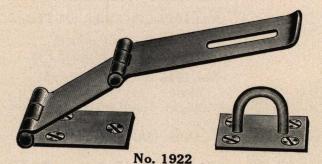
 Length of Joint
 $1\frac{1}{2}$ $1\frac{5}{8}$ $1\frac{7}{8}$

 Dozen in a Box
 1
 1
 1

 Full Carton, Dozen
 25
 12
 10

Packed 1 dozen in a box.

Safety Double Hinge Hasp



WDOLIGHT CET

WROUGHT STEEL

No. 1922—Bright Steel No. 1922-J—Japanned

No. 1922-CP-Cadmium Plated

No. 1922-G-Galvanized, With Brass Pin

Size, Length of Hasp part with Slot $4\frac{1}{2}$ 6(Inches) $4\frac{1}{2}$ 6Length of Hinge Part $2\frac{1}{4}$ 3Length of Middle Part $2\frac{1}{2}$ $3\frac{1}{2}$ Length of Joint $1\frac{5}{8}$ $1\frac{7}{8}$ Dozen in a Full Box1 $\frac{1}{2}$ Full Carton, Dozen1210Packed dozen in a box1 $\frac{1}{2}$

Safety Hasp - Light



No. 1346 WROUGHT STEEL

No. 1346-A—Bronze Plated No. 1346-B—Brass Plated

Size, Length of Hasp Part with slot (Inches) $2\frac{1}{2}$ Length of Hinge Part1Length of Joint $\frac{15}{16}$ Weight Per Dozen, Pounds1

Packed 1 dozen in a box with screws.

Packed in full shipping carton.

Hinge Hasp - Light

No. 1249

WROUGHT STEEL

No. 1249-A—Bronze Plated No. 1249-B—Brass Plated

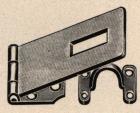


Size Open, Length of Hasp		
Part with slot (Inches)	2	21/4
Length of Hinge Part	11/2	11/2
Length of Joint	3/4	$\frac{1}{16}$
Waight Day D.	1/2	3/4

Packed 1 dozen in a box with screws.

Packed in full shipping carton.

Brass Safety Hasp - Light



No. 1344

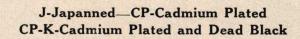
WROUGHT BRASS

Size, Length of Hasp Part		
with slot (Inches)	17/8	21/2
Length of Hinge Part	15	116
Length of Joint	3/4	11/4

Packed 1 dozen in a box, without screws.

"S" - Shutter Holders

Wrought Steel



No. 2685—With Lag Screw
Without Anti-Rattler

No. 2685 1/2—With Lag Screw With Anti-Rattler

Packed 1 Pair in a Box Complete.

Weight Per Pair 3/4 Pound.



No. 2685

J-Japanned—CP-Cadmium Plated
CP-K-Cadmium Plated and Dead Black

No. 2687—With Drive Pin
Without Anti-Rattler

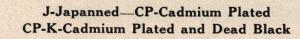
No. 2687½—With Drive Pin With Anti-Rattler

Packed 1 Pair in a Box Complete

Weight Per Pair 3/4 Pound.



No. 2687



No. 2686—With Bolt and Plate Without Anti-Rattler

No. 2686½—With Bolt and Plate With Anti-Rattler

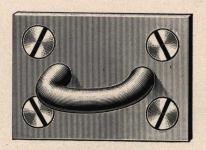
Packed 1 Pair in a Box Complete

Weight Per Pair 3/4 Pound.



No. 2686

Staples and Hasps



Wrought Steel Plate Staples

No. 1913—Bright Steel No. 1913-G—Galvanized Packing 2 Dozen in a Box.

For Hasp Sizes (Inches) 3 41/2 10 Size of Plate...... 15/8x13/8 15/8x13/8 21/8x111 21/2x13/4 21/2x13/4 21/2x13/4 Projection of Staple.... 3/4 3/4 3/4 3/4 $\frac{15}{16}$ Size of Wood Screws... 3/4×6 3/4×6 1x9 1x10 11/4×10 11/4×12 Weight Per Dozen, Lbs. 3/4 3/4 11/8 11/2 31/2 31/2

No. 1913



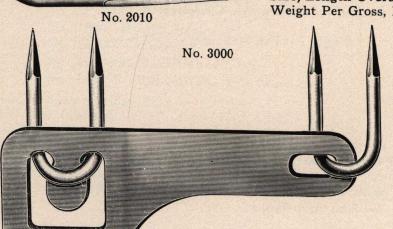
Wrought Steel Staple

No. 2010—Bright Steel No. 2010-G—Galvanized Packing 2½ inch and smaller 1 Gross Per Box,

larger sizes 1/2 Gross Per Box.

Size, Length Overall (In.) 1 11/4 11/2 13/4 2 21/2 3 31/2 4 5

Weight Per Gross, Lbs.... 3/4 11/8 11/2 13/4 21/2 43/8 61/4 85/8 101/4 143/8



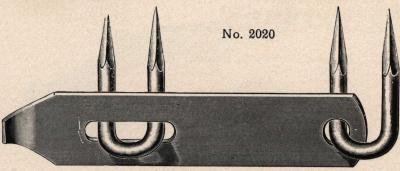
Complete Hasps and Staples

No. 3000-Bright Steel
No. 3000-G-Galvanized

Packing-1 Dozen in a Box.

Size, Length of Strap (Inches)	6	8	10
Length of Staple	21/2	21/2	21/2
Weight Per Dozen, Pounds	23/8	4	71/2

Wrought Hasps and Staples

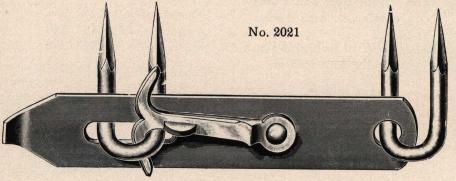


No. 2020—Bright Steel
No. 2020-G—Galvanized

Packing—1 Dozen in a Box.
Size, Length of Strap

(Inches) 4 5 6 8 Length of Staple...... 2 2 $2^{1/4}$ $2^{1/2}$ Weight Per Dozen, Lbs. $1^{1/2}$ $1^{5/8}$ $2^{5/8}$ $3^{1/2}$ EXTRA HEAVY

Wrought Hasps, Hooks and Staples



No. 2021—Bright Steel

No. 2021-G—Galvanized

Packing—1 Dozen in a Box.

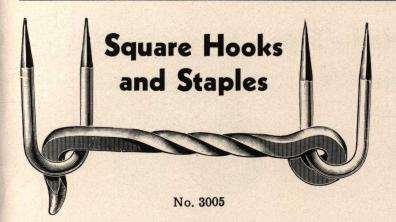
Size, Length
of Strap (In.) 5 6 7 8 10

Length of Staple... 2 2½ 2½ 2½ 2½

Wgt. Per Doz., Lbs. 2½ 3⅓ 3¾ 4 7½

EXTRA HEAVY

No. 2024—Bright Steel
No. 2024-G—Galvanized
Size, Length of
Strap (Inches)
Weight Per Dozen, Lbs...... 73/4 13

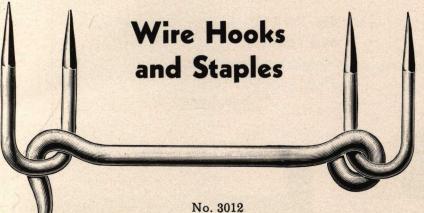


Wrought Steel

No. 3005—Bright Steel
No. 3005-G—Galvanized

Size, Length (Inches) 4	5	6	8
Size of Staple 2	21/4	21/2	21/2
Weight Per Gross, Pounds. 161/2		Control of the Contro	CONTROL SOLD

Packed 3 dozen in a paper box.



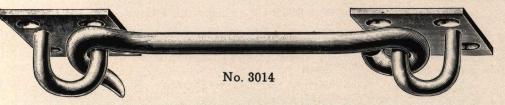
Wrought Steel

No. 3012—Bright Steel
No. 3012-G—Galvanized

Size, Length		
(Inches) 4	5	6
Thickness		
of Hook—Wire1/4	$\frac{5}{16}$	$\frac{5}{16}$
Size of Staple 2	21/4	21/2
Wgt. Per Gr., Lbs20	30	37

Packed 3 dozen in a paper box.

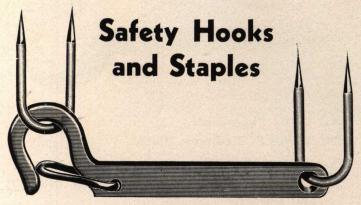
Wire Hooks with Plate Staples



Wrought Steel

No. 3014—Bright Steel
No. 3014-G—Galvanized

Size, Length (Inches).. 4 5 6 Size of Staple....... $1\frac{1}{2}x1\frac{1}{8}$ $1\frac{1}{2}x1\frac{1}{8}$ $1\frac{1}{2}x1\frac{1}{8}$ $1\frac{1}{2}x1\frac{1}{8}$ Thickness of Hook—Wire $\frac{1}{4}$ $\frac{5}{16}$ $\frac{5}{16}$ Weight Per Gr., Pounds 28 39 42 Packed 2 dozen in a paper box without Screws.



Wrought Steel

No. 3010—Bright Steel
No. 3010-CP—Cadmium Plated

Size, Length (Inches)	6
Width of Hook	
Size of Staple	21/2
Weight Per Dozen, Pounds	7

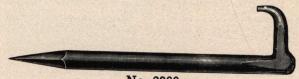
Packed 2 dozen in a box.

No. 3010

Awning - "S" - Stay Nail - Sign - Screw Hooks

Wrought Steel Awning Hooks

Round

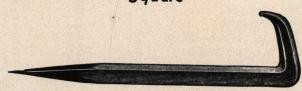


No. 2980

No. 2980-Bright Steel No. 2980-CP-Cadmium Plated

Round with square diamond point. Size, Lgth. (In.) $2\frac{1}{2}$ 3 $3\frac{1}{2}$ Thickness15/64 15/64 19/64 19/64 19/64 19/64 Wgt. Per Gr., Lbs. 4 6 63/4 9 121/2 17

Square



No. 2982

No. 2982—Plain Steel

No. 2982-CP-Cadmium Plated Square with square diamond point.

Size, Length (Inches).....3 17/64 Weight Per Gross, Pounds.... 6 121/2

Packed all sizes 3 dozen in a paper box.

Wrought Steel Stay Nail Hooks



No. 1981

No. 1981-Plain Steel

No. 1981-CP-Cadmium Plated

Size, Length (Inches) 6 8 Screw Holes 1 3 2 or 3 Size Screw No. 10 No. 10 No. 10 No. 10 Length of Part with Holes 3 3 31/4 Length of Part to Drive in Wall.... 3 43/4 Width and Thickness 3/4x1/8 3/4x1/8 3/4X1/8 Weight Per Dozen, Pounds 1 2/3 12/3 2

Packed 3 dozen in a paper box.

Wrought "S" Hooks



No. 2978

No. 2978-Bright Steel

No. 2978-CP—Cadmium Plated

Weight Per Gross, Pounds. . 3 1/3 91/4 123/4 Dozen in Box..... 3

Packed 3 dozen in a paper box.

Wrought Sign Hooks



No. 2979

No. 2979 Bright Steel No. 2979-CP-Cadmium Plated

Size, Length (Inches).... 10 Width 3/4 Bend 1 1 Weight Per Dozen, Pounds 21/2 Packed Dozen in a box.....

Packed 1 Dozen in a box.

Wrought Steel Extra Heavy Hooks



No. 1976

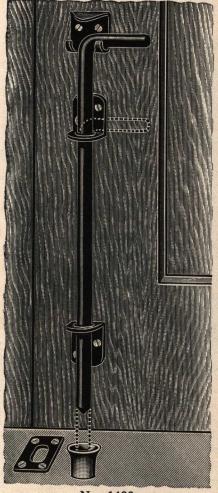
No. 1976-Plain Steel

No. 1976-CP-Cadmium Plated

Size, Inches 8x5/8—Lag screw thread.

Size, Inches 71/2x3/8—Bolt screw thread with nut and washer.

Packed 1 dozen in a box.



Wrought Steel Extra Heavy Cane Bolts

No. CP-1408—CADMIUM PLATED

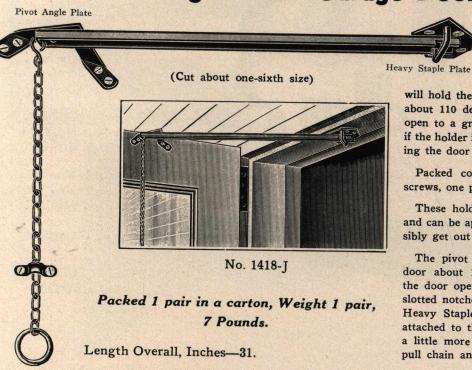
For use in locking doors; also to hold doors open.

Size, Length (Inches)	12	18	24
Thickness of Bolt	1/2	5/8	5/8
Size of Screws	1½x12	1½x12	1½x12
Average Weight Per Dozen, Pounds	17	64	70

Packed 2 in a box with screws, guides and bottom parts for wood and concrete.

No. 1408

Wrought Steel Garage Door Holders



This Garage Door Holder is made of heavy wrought steel heavily fabricated to make it very strong, and can be used on either right or left hand doors. It

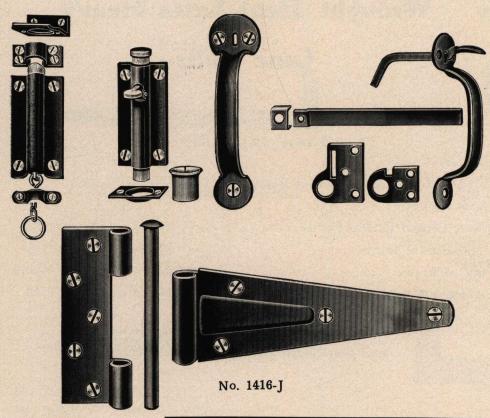
will hold the door open to any angle from 40 degrees to about 110 degrees. It can be applied to hold the door open to a greater angle than 110 but it is not advisable if the holder is expected to receive a great shock in throwing the door open to the greatest angle.

Packed complete with directions for applying, with screws, one pair in a fibre carton, 10 cartons in a case.

These holders are for either right or left hand doors and can be applied to any shape door. Nothing can possibly get out of order that would necessitate adjustment.

The pivot angle plate is attached to the face of the door about 12 inches from the side jamb. Throwing the door open starts the action of the holder bar. The slotted notches at the end of the holder bar engages the Heavy Staple part of the Staple plate holder which is attached to the lintel of door frame locking the door at a little more than right angles. To release the holder, pull chain and close door.

Wrought Steel Garage Door Sets



No. 1416-J—Japanned
No. 1416-CP-JD—Cadmium
Plated and Dead Black Finish

Packed one complete set in a carton with Screws.

A Complete Set Consists of:

1-6 inch Chain Bolt No. 1400

1-6 inch Foot Bolt No. 1401

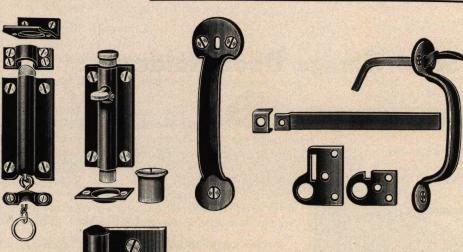
1-Door Handle

1-Door Latch-No. 4-1930

3 pair 10 inch Extra Heavy T Hinges Loose Pin—No. WS-1950

1 set weighs 17 pounds

4 COMPLETE SETS IN A SHIPPING CARTON



10

No. 1415-J

96

No. 1415-J—Japanned
No. 1415-CP-JD—Cadmium
Plated and Dead Black Finish

Packed one complete set in a carton with Screws.

A Complete Set Consists of:

1-6 inch Chain Bolt No. 1400

1-6 inch Foot Bolt No. 1401

1—Door Handle

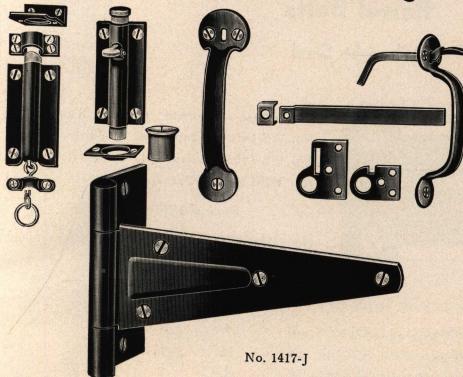
1-Door Latch No. 4, No. 1930

3 pair 10 inch Extra Heavy T Hinges with Offset No. WS-1951

1 set weighs 17 pounds

4 COMPLETE SETS IN A SHIPPING CARTON

Wrought Steel Garage Door Sets



No. 1417-J—Japanned
No. 1417-CP-JD—Cadmium
Plated and Dead Black Finish

Packed one complete set in a carton with Screws

A Complete Set Consists of:

1-6 inch Chain Bolt No. 1400

1-6 inch Foot Bolt No. 1401

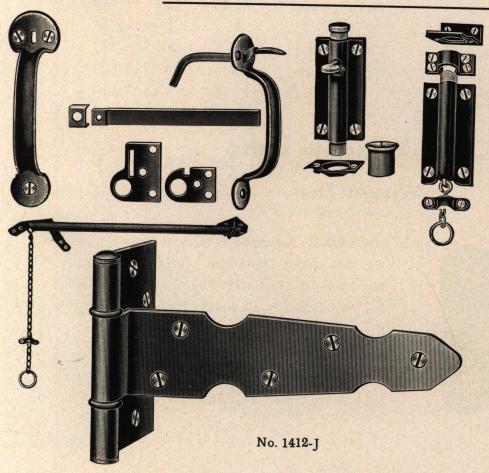
1—Door Handle

1-Door Latch No. 4, No. 1930

3 pair 10 inch Extra Heavy T Hinges Reversed Pad No. WS-19631/2

1 set weighs 17 pounds

4 COMPLETE SETS IN A SHIPPING CARTON



No. 1412-J-Japanned

No. 1412-CP-JD—Cadmium Plated and Dead Black Finish

Packed one complete set in a carton with Screws.

A Complete Set Consists of:

1-6 inch Chain Bolt No. 1400

1-6 inch Foot Bolt No. 1401

1-Door Handle

1-Door Latch No. 4, No. 1930

3 pair 10 inch Ball Bearing Garage Hinges No. BB-1991

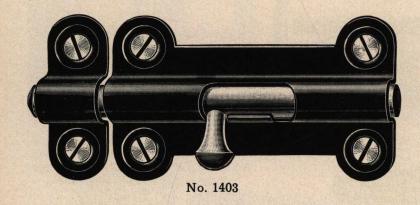
1-Garage Door Holder No. 1418

1 Set weighs 20 pounds

1 SET IN A CARTON

Barrel Bolts

Wrought Steel



No. 1403-J-Japanned (Without Screws)

No. WS-1403-J—Japanned (With Screws)

No. WS-1403-B Brass Plated (With Screws)

No. WS-1403-G-Galvanized (With Screws)

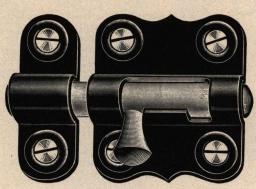
Packed 1 Dozen in a Box.

No. 1403-J—Without Screws, all other numbers With Screws.

Size, Length of Bolt (Inches)	21/2	3	4	5	6
Thickness of Bolt	3/8	3/8	3/8	3/8	3/8
Number of Screw Holes	6	6	6	6	6
Size of Screw	3/4×6	3/4×6	3/4×6	3/4×6	3/4×6
Dozen in a Box	1	1	1	1	1
Weight Per Dozen, Pounds	3	33/4	4	5	51/2
Full Shipping Carton, Dozen	20	20	12	12	12

Cellar Window Bolts

Wrought Steel



No. 1405—Size 21/2 inches

No. 1405-J Japanned (Without Screws)

No. WS-1405-J—Japanned (With Screws)

No. 1405-CP—Cadmium Plated (Without Screws)

No. WS-1405-CP-Cadmium Plated (With Screws)

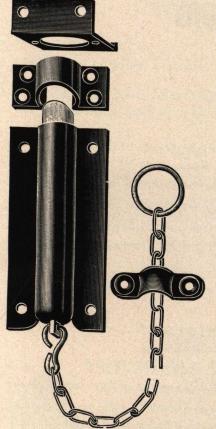
Size 21/2 inches, Length of Bolt.

Bolt 3/8 inch thick.

Packed 1 Dozen in a Carton.

Weight Per Dozen, Pounds, 2. Full Carton, 20 Dozen.

Chain Bolt



No. 1400-Chain Bolts

Size, Length of Bolt, (Inches)	6	8	10
Weight Per Dozen, Pounds	101/2	19	24
Number of Dozen in a Box	1/2	1/4	1/6
Full Shipping Carton, Dozen	4	3	3

Foot Bolt

Positive Action

Wrought Steel

Chain Bolts-With Screws

No. 1400-J-Japanned

No. 1400-CP-Cadmium Plated

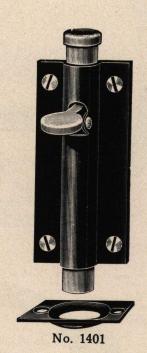
No. 1400-DB-OC-Plated

Foot Bolts-With Screws

No. 1401-J-Japanned

No. 1401-CP-Cadmium Plated

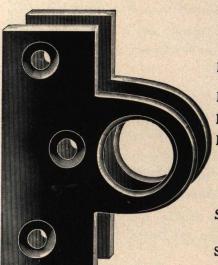
No. 1401-DB-OC-Plated



No. 1401-Foot Bolts

Size, Length of Bolt, (Inches)	6	8	10
Weight Per Dozen, Pounds	81/2	15	21
Number of Dozen in a Box	1/2	1/6	1/6
Full Shipping Carton, Dozen	4	3	3

Padlock Eyes



No. 1931

WROUGHT STEEL

PADLOCK EYES WITH SCREWS

No. 1931-J_Japanned

No. 1931-A-DB-OC-Plated

No. 1931-CP—Cadmium Plated

Packed 1 Dozen Pair in a Box With Screws

Size of Plate, (In.) $1\frac{5}{8}$ x $1\frac{5}{16}$ $2\frac{1}{8}$ x $1\frac{7}{8}$ $2\frac{3}{4}$ x $2\frac{3}{16}$

Size of Eye,

Inches .. $\frac{1}{2}x_{16}^{7}$ $\frac{3}{4}x_{8}^{5}$ $\frac{15}{16}x_{4}^{3}$

Door Button

WROUGHT STEEL



No. 1407

No. 1407-J—Japanned (Without Screws)

No. 1407-CP—Cadmium
Plated (Without Screws)

No. WS-1407-J_Japanned (With Screws)

No. WS-1407-CP—Cadmium Plated (With Screws) Size 13/4 Inches.

Packed 1 Gross Per Carton

Wrought Steel Door Pulls

(Handles)



No. 1204 Bright Steel

No. 1204-J-Japanned

No. 1204-CP—Cadmium Plated

Packed 3 Dozen in a Box with Screws

Size, inches (inside) $2\frac{3}{4} \times \frac{1}{2}$, Overall $4\frac{1}{4}$ Weight Per Dozen, $\frac{3}{4}$ Pound.



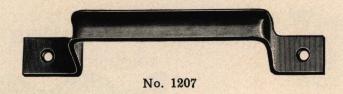
No. 1962-Bright Steel

No. 1962-J_Japanned

No. 1962-CP-Cadmium Plated

Packed 3 Dozen in a Box with Screws

Size, inches (inside) $3\frac{1}{2} \times \frac{5}{8}$, Overall $5\frac{1}{2}$ Weight Per Dozen, 1 Pound.



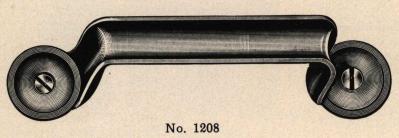
No. 1207-Bright Steel

No. 1207-J-Japanned

No. 1207-CP-Cadmium Plated

Packed 1 Dozen in a Box with Screws

Size, inches (inside) 33/4 x 7/8, Overall 63/8
Weight Per Dozen, 2 Pounds



No. 1208—Bright Steel

No. 1208-J-Japanned

No. 1208-CP—Cadmium Plated

Packed 1 Dozen in a Box with Screws

Size, inches (inside) $4\frac{1}{2} \times 1\frac{1}{8}$, Overall 8 Weight Per Dozen, 3 Pounds. Wrought Steel Japanned Thumb Latches, Keepers for Padlocks

No. 1930-J-Japanned

No. 1930-CP-Cadmium Plated

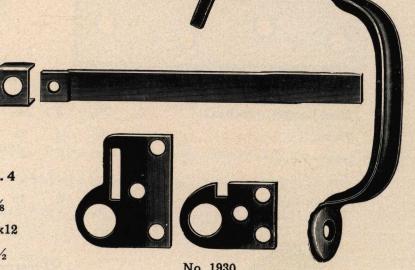
All Sizes Packed 1 in a Box complete with Screws, Locking Stud and all Parts.

No. 2—For doors 5/8 to 13/4 inches thick.

No. 3—For doors 3/4 to 17/8 inches thick.

No. 4—For doors 1 to 25% inches thick.

Size Handle Length Overall,	No. 2	No. 3	No. 4
Inches	63/4	71/2	87/8
Latch Bar, Inches	7/8×10	1x12	1½x12
Weight Per Dozen, Lbs.	6	9	171/2



Open and Closed Bar Staples



Packed Loose
1 dozen in a box.

No. 1959

Wrought Steel Open Bar Staples
No. 1959-J—Japanned
No. 1959-CP—Cadmium Plated

Size $1\frac{1}{2}$ Width, Inches $1\frac{1}{2}$ Thickness, Inches $\frac{1}{4}$ Length, Inches $7\frac{1}{2}$ Offset, Inches2Weight Per Dozen, 10 Pounds.

Packed Loose

1 dozen in a box.



Wrought Steel Closed Bar Staples
No. 1986-J—Japanned

No. 1986-CP—Cadmium Plated Size (Inches). 1¹/₄ 1¹/₂ 2 Thickness, In. . . ³/₁₆ ¹/₄ ¹/₄

Length For Bar $4x1\frac{1}{4}$ $4x1\frac{1}{2}$ 4x2 Weight Per Dozen, 21 Pounds.

Packed Loose
1 dozen in a box.



No. 1986

Wrought Steel Closed Bar Staples
No. 1957-J—Japanned

No. 1957-CP—Cadmium Plated

Size $1\frac{1}{2}$ Width, Inches $1\frac{1}{2}$ Thickness, Inches $\frac{3}{16}$ Length, Inches7Inside, Inches $2x4\frac{3}{8}$

Weight Per Dozen, 10 Pounds.

Packed Loose

1 dozen in a box.



Wrought Steel Mending Plates, Corner Irons and Braces



No. 1994

Special Shapes Made to Order

No. 1994 Bright Steel

No. 1994-CP-Cadmium Plated

Packed without screws-2 Dozen in a Box.

Size, Length, (Inches)	2	21/2	3	31/2	4	5	6	8	10	12
Width	5/8	5/8	3/4	3/4	7/8	1	11/8	11/4	11/4	11/4
Screw Holes	2	2	4	4	4	4	4	4	6	6
Size of Screw	3/4×7	3/4×7	3/4×7	3/4×8	3/4×8	3/4×8	3/4×9	1x10	1x10	1x10
Weight Per Gross, Pounds	4	51/2	8	10	121/2	21	311/2	49	92	106



No. 1997

Wrought Steel Corner Braces

No. 1997—Bright Steel

No. 1997-CP-Cadmium Plated

Packed without screws-2 Dozen in a Box.

Size, (Inches) Length each leg	1	11/2	2	21/2	3	31/2	4	5	6	8
Width	1/2	1/2	5/8	5/8	3/4	3/4	7/8	1	11/8	11/8
Screw Holes	2	4	4	4	4	4	4	6	6	8
Size Screws	3/4×6	3/4×6	3/4×8	3/4×8	3/4×9	3/4×9	3/4×10	11/4×11	1½x12	1½x12
Wgt. Per Gr., Lbs.	31/4	5	93/4	133/4	22	291/4	431/2	67	104	152



No. 1998

Wrought Steel Flat Corner Irons

No. 1998—Bright Steel

No. 1998-CP-Cadmium Plated

Packed without screws-2 Dozen in a Box.

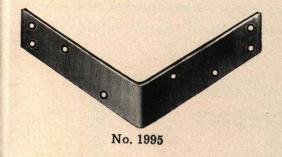
Size Length of each Leg and Width

 $1\frac{1}{2}x\frac{3}{8}2x\frac{3}{8}2\frac{1}{2}x\frac{3}{8}2\frac{1}{2}x\frac{1}{2}3x\frac{1}{2}3x\frac{5}{8}3\frac{1}{2}x\frac{1}{2}3\frac{1}{2}x\frac{5}{8}3\frac{1}{2}x\frac{5}{8}3\frac{1}{2}x\frac{3}{4}4x\frac{5}{8}4x\frac{3}{4}4x\frac{7}{8}5x\frac{7}{8}5x\frac{1}{6}x\frac{6}{8}18x\frac{1}{2}$ (Inches) 4 4 4 4 4 Screw Holes 4 Size Screws 5/8x5 5/8x5 5/8x5 3/4x6 3/4x6 3/4x8 3/4x8 3/4×8 3/4x8 3/4x8 3/4x8 3/4x9 3/4x9 3/4x9 3/4x9 3/4x9 3/4x9 Wgt. Per 31/2 45/8 10 13 141/4 14 163/4 183/4 24 Gr., Lbs.

Wrought Steel T Plates and Corner Irons



Wrought Steel Corner Irons



No. 1995—Bright Steel	1995-C	P—Cac	lmium	Plated								
Packed without screws—2 Dozen in a Box.												
Size, Width, (Inches)	3/4	7/8	1	11/4	11/2							
Length Each Side		AND DESCRIPTION OF THE PARTY OF	-/4	41/2	41/2							
Size and Number, Screw Holes	4-3/4×9	4-3/4×9	4-3/4×9	8-3/4x9	8-3/4×9							
Weight Per Gross, Pounds	23	27	31	37	441/2							



No. 1996-B—Steel Bright Brass Plate Packed without screws—2 Dozen in a Box.

Size, Length (Inches)	3/4	1	11/2	2	21/2	3
Width	1/2	1/2	1/2	1/2	1/2	
Width		3/4	3/4	3/4	3/1	3/4
Screw Holes	2	2	4	4	4	4
Size of Screw	3/4×6	3/4×6	3/4×6	3/4×8	3/4×8	3/4×9

Wrought Steel Shelf Bracket



No. 1796-J-Japanned

No. 1796-CP—Cadmium Plated

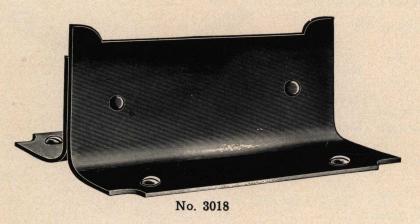
No. 1796-Plated

This bracket is made of one piece of steel that is formed in such a way that the bracket is very strong.

Size (Inches)	3x4	4x5	5x6	5x7	6x8	7x9	8x10	10x12	12x14
Screws, Shelf Plate	3/4×6	3/4×6	3/4×6	3/4×6	3/4×6	3/4×7	3/4×7	3/4×7	3/4×8
Screws, Wall Plate	3/4×6	1½x6	1½x6	1½x6	11/4×6	1½x7	1½x7	1½x7	1½x8
Weight Per Dozen Pair, Pounds	31/2	53/4	8	111/2	12	131/2	14	19	25
Dozen Pair in a Box	1	1	1/2	1/2	1/2	1/2	1/4	1/4	1/4
Dozen Pair in a Full Shipping Carton	12	6	6	6	6	6	3	3	2

Japanned and Cadmium Plated packed without screws. Plated Finishes packed with screws.

Wrought Steel Foot Scrapers



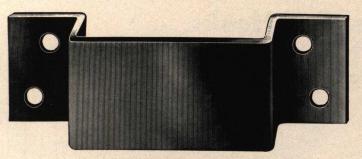
No. 3018-J-Japanned

No. 3018-CP-Cadmium Plated

Size, Height (Inches)	21/2	41/4
Width, Inches	6	6
Number Dozen in a Box	1	1
Weight Per Dozen, Pounds	5	12

Packed without screws. Can be used for wood or concrete.

Wrought Steel Stake Pockets



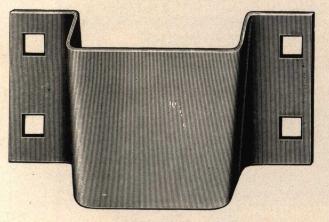
No. 1989

Size	A	В	c
Length Overall, Inches	71/2	71/4	7
Inside Measurement, In.	31/2x11/2	3x11/2	21/2×11/2
Size of Iron	21/2x1/8	21/2x1/8	21/2x1/8
Size of Holes	or 3/8 bolt	For 3/8 bolt	For 3/8 bolt
Weight Per 100			
Pieces, Pounds	102	100	90

No. 1989

Packed in Bulk.

Full barrel contains 400.



No. 1947

No. 1947

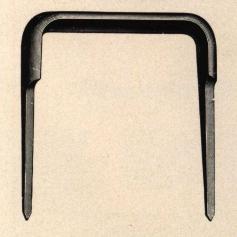
Size	A	В	C
Length Overall, Inches	6	6	6
Inside Measurement, In.	3x1½	3x13/4	3x2
Size of Iron	21/2x1/8	3x1/8	3x1/8
Size of Holes, Square	For 3/8 bolt	For 3/8 bolt	For 3/8 bolt
Weight Per 100			
Pieces, Pounds	70	80	83

Packed in Bulk.

Full barrel Size A contains 500.

Full barrel Sizes B and C contains 450.

Wrought Steel Wagon Bow Staples To Clinch



No. 1987

Wrought Steel Wagon Bow Staples

To Rivet



No. 1988

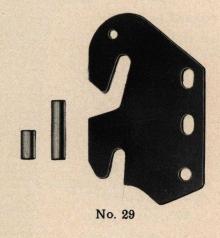
Inside Measurement

Size (Inches) 1½	13/4	2	21/4	21/2
Paper Box Contains 100	100	100	50	50
Weight Per 100 Pieces, Lbs. 6½	7	8	15	16

All for 5/8 inch thick bow.

Wrought Steel Bed Hooks

Cold Rolled Steel Bright



No. 29

A Set Consists of:

4 Hooks 8 Post Pins 11/4 inches

4 Rail Pins 5/8 inch.

Any Length of Pin on order-No. 29

Size No. 41/2 Weight Per 100 Sets, 98 Pounds.

Size No. 5 Weight Per 100 Sets, 108 Pounds.

Packed in Bulk.

Wrought Steel Bed Spring Holders

Wrought Steel Plain



No. 26

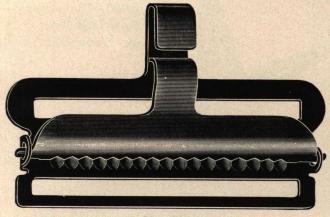
Size, Length of each Leg (Inches)	23/4×3	3x3½	31/2×31/2
Thickness, Inch	1/4	1/4	1/4
Screw Holes	2	3	3
Size of Screws	No. 14	No. 14	No. 14
Weight Per 1000	485 lbs.	550 lbs.	580 lbs.

Screw Holes are always in long arm.

Packed in Bulk.

Wrought Steel Braces

Wrought Steel Back Band Hooks



No. 30

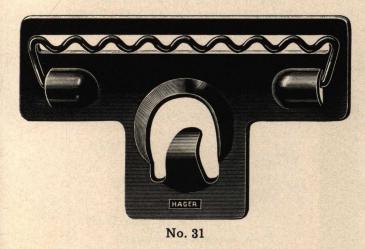
No. 30-J—Japanned

No. 30-CP—Cadmium Plated

Size of Hook is determined by the width of web to be used.

Size (Inches)	. 4	5
Weight Per Gross Pair, Pounds	118	142
Gross Pair in a Barrel	2	11/2

Packed in Bulk.



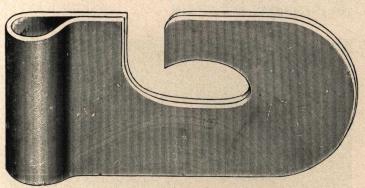
No. 31-J—Japanned
No. 31-CP—Cadmium Plated

Size of Hook is determined by the width of web to be used

Size (Inches)	4	5
Weight Per Gross Pair, Pounds	85	100
Gross Pair in a Barrel	4	31/2

Packed in Bulk.

Wrought Steel Double Hame Hook



No. 2000

No. 2000-Plain Steel

Half Rights—Half Lefts

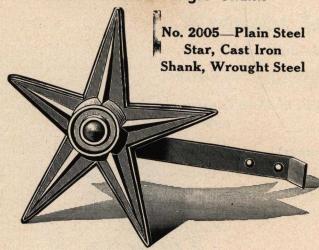
Weight Per Dozen Pair, 9 Pounds.

Packed 1 Dozen Pair in a Box.

25 Dozen Pair in a Full Case.

Star Anchors

With Riveted Angle Shank



No. 2005

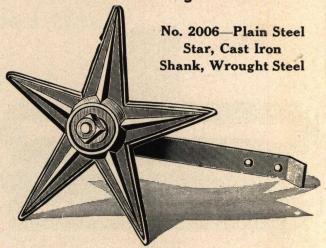
Packed In Bulk

Size 9 Inches for 9 inch Wall

Size 13 inches for 13 inch Wall

Star Anchors

With Nutted Angle Shank



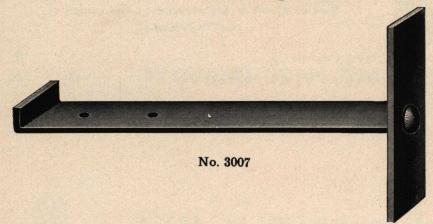
No. 2006

Packed In Bulk

Size 9 Inches for 9 inch Wall

Size 13 inches for 13 inch Wall

Wrought Steel T Anchors



No. 3007 Plain Steel

F0: 1 W U	
For 9 inch Wall	
Size Anchor (Inches)	9
Weight Per 100, Pounds	200
Number in Full Barrel	100
For 13 inch Wall	
Size Anchor (Inches)	13
Weight Per 100, Pounds	225
Number in Full Barrel	100
Packed in Bulk.	

Wrought Steel Anchor Plates

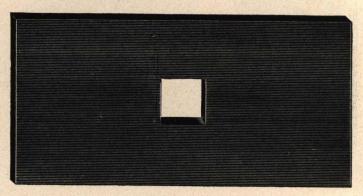
No. 3017

Plain Steel

Size (Inches) $2\frac{1}{2}$ wide x 5 long x $\frac{3}{16}$ thick Hole $\frac{1}{2}$ Inch Square.

Weight Per Dozen, 8 Pounds.

Packed In Bulk.



No. 3017

Wrought Steel Washers

Standard List

Adopted by Manufacturers July 15th, 1935



No. 1978

Estimated Number in 100 Pounds	Outside Diameter	Size of Hole	Thickness Wire Gauge	Size of Bolt	In 200-pound net Kegs Price Per 100 Lbs
36,200	9 16	1/4	No. 18 (3/64)	3 16	\$ 14.00
14,900	3/4	5 16	No. 16 (1/16)	1/4	12.20
11,100	7/8	3/8	No. 16 (1/16)	$\frac{5}{16}$	11.40
6,700	1	7 16	No. 14 (5/64)	3/8	10.50
4,100	11/4	1/2	No. 14 (5/64)	$\frac{7}{16}$	9.80
2,600	13/8	9 16	No. 12 (7/64)	1/2	9.40
2,200	11/2	3/8 7 1/6 1/2 1/6 5/8	No. 12 (7/64)	$\frac{9}{16}$	9.30
1,300	13/4	$\frac{11}{16}$	No. 10 (1/8)	5/8	9.30
910	2	13/16	No. 9 (5/32)	3/4	9.20
652	21/4	15 16	No. 8 (11/64)	7/8	9.20
532	21/2	116	No. 8 (11/64)	1	9.20
454	2 ³ / ₄	11/4	No. 8 (11/64)	11/8	9.20
384		13/8	No. 8 (11/64)	11/4	9.20
300	31/4	11/2	No. 7 (3/16)	13/8	9.20
260	31/2	15/8	No. 7 (3/16)	11/2	9.20
227	33/4	13/4	No. 7 (3/16)	15/8	9.50
200	4	17/8	No. 7 (3/16)	13/4	9.50
176	41/4	2	No. 7 (3/16)	17/8	9.50
159	41/2	21/8	No. 7 (3/16)	2	9.50
121	43/4	23/8	No. 5 (7/32)	21/4	10.50
104	5	25/8	No. 4 (15/64)	21/2	10.50
91	51/4	27/8	No. 3 (1/4)	23/4	11.50
77	51/2	31/8	No. 2 (9/32)	3	12.50

Add to list prices for

 100 lb. Kegs
 \$.25 per cwt.

 50 lb. Kegs
 .50 per cwt.

 25 lb. Kegs
 1.00 per cwt.

 25 lb. Boxes
 2.00 per cwt.

5 lb. boxed Washers are packed 80 lbs. to a shipping carton.

Wrought Steel Riveting Burrs

	Size, For Size Rivets (Inches)	(No. 11)	3	1/4	<u>.5</u>	3/8
0	Outside Diameter—Inches	3/2	1/2	5/8	5/8	3/4
	Size of Hole	9/64	13/64	17/64	21/64	25/64
No. 1979	Thickness—Gauge	18	18	18	17	16
140. 1979	Number Per Pound	740	436	368	273	169
	Price Per 100 Pounds in 200 Pound Kegs	\$20.75	\$18.00	\$16.35	\$16.35	\$16.35

Add to list prices for

 100 lb. Kegs.
 \$.25 per cwt.
 5 lb. Boxes.
 \$1.25 per cwt.

 50 lb. Kegs.
 .50 per cwt.
 1 lb. Boxes.
 2.00 per cwt.

 25 lb. Kegs.
 1.00 per cwt.
 2.00 per cwt.

1 lb. boxed Burrs are packed 50 lbs. to a shipping carton. 5 lb. boxed Burrs are packed 80 lbs. to a shipping carton.

Wrought Steel Square Washers



No. 1982

All Sizes

1½ to 6 inches Square

Thickness ½ to ¾ inch

Size Bolt ¾ to 1½ inch

Packed in Bulk

Wrought Steel Carriage Bolt Washers



No. 2001

Size of Bolt (Inches)...... $\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{5}{8}$ Thickness, Inches—GAUGE Nos. 20 18 18 16 16 16 16

